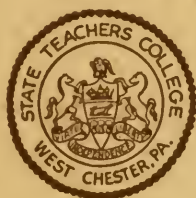


State Teachers College Bulletin



Catalogue Number
1959-1960 Sessions

West Chester, Pennsylvania



ANDERSON HALL

STATE TEACHERS COLLEGE BULLETIN

WEST CHESTER, PENNSYLVANIA



1959-1960 Sessions
CATALOGUE NUMBER

STATE TEACHERS COLLEGE BULLETIN

Vol. LXXXVII

March, 1959

No. 2

WEST CHESTER, PENNSYLVANIA

WEST CHESTER STATE TEACHERS COLLEGE
IS ACCREDITED BY
THE MIDDLE STATES ASSOCIATION OF COLLEGES
AND SECONDARY SCHOOLS,
THE NATIONAL COUNCIL FOR ACCREDITATION
OF TEACHER EDUCATION,
THE AMERICAN ASSOCIATION FOR HEALTH,
PHYSICAL EDUCATION, AND RECREATION,
AND
THE NATIONAL ASSOCIATION OF SCHOOLS OF MUSIC

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of August 24, 1912.

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CORRESPONDENCE AND COMMUNICATIONS

Listed below are the officers to whom inquiries should be directed. In each case, the post office address is: State Teachers College, West Chester, Pa.; telephone: OWen 6-7800.

Office of the Dean of Instruction—

- Certification requirements for teaching
- Courses and curricula
- Graduation requirements
- Selective Service information
- Transcripts of student records
- Veterans' affairs

DR. B. PAUL ROSS, Director of Admissions—

- Applications and Admissions
- Catalogues and other publications

MR. E. E. SHAEFER, Business Manager—

- Deferred Payments
- Fees and Expenses
- Refunds on Accounts
- Student Help Checks

MR. EMIL H. MESSIKOMER, Director of Personnel—

- Scholarships and loans
- Work opportunities for students

DR. EARL F. SYKES, Director of Student Teaching and Placement—
Placement Service; Director, Graduate School.

DR. THOMAS E. BERRY, Admissions Officer, Graduate Studies.

MRS. WEBSTER C. HERZOG, General Secretary of the Alumni Association

CALENDAR FOR 1959

JANUARY							FEBRUARY							MARCH						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	1	2	3	4	5	6	7	8	9	10	11	12	13	14
4	5	6	7	8	9	10	8	9	10	11	12	13	14	15	16	17	18	19	20	21
11	12	13	14	15	16	17	15	16	17	18	19	20	21	22	23	24	25	26	27	28
18	19	20	21	22	23	24	22	23	24	25	26	27	28	29	30	31				
25	26	27	28	29	30	31														

APRIL							MAY							JUNE						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	3	4	5	6	7	8	9	10	11	12	13	14	15	16
6	7	8	9	10	11		3	4	5	6	7	8	9	10	11	12	13	14	15	16
12	13	14	15	16	17	18	10	11	12	13	14	15	16	17	18	19	20	21	22	23
19	20	21	22	23	24	25	17	18	19	20	21	22	23	24	25	26	27	28	29	30
26	27	28	29	30			24	25	26	27	28	29	30	31						

JULY							AUGUST							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
5	6	7	8	9	10	11	2	3	4	5	6	7	8	9	10	11	12	13	14	15
12	13	14	15	16	17	18	9	10	11	12	13	14	15	16	17	18	19	20	21	22
19	20	21	22	23	24	25	16	17	18	19	20	21	22	23	24	25	26	27	28	29
26	27	28	29	30	31		23	24	25	26	27	28	29	30	31					

OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	1	2	3	4	5	6	7	8	9	10	11	12	13	14
4	5	6	7	8	9	10	8	9	10	11	12	13	14	15	16	17	18	19	20	21
11	12	13	14	15	16	17	15	16	17	18	19	20	21	22	23	24	25	26	27	28
18	19	20	21	22	23	24	22	23	24	25	26	27	28	29	30					
25	26	27	28	29	30	31	29	30												

CALENDAR FOR 1960

JANUARY							FEBRUARY							MARCH						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	1	2	3	4	5	6	7	8	9	10	11	12	13	14
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10	11	12	13	14	15	16	14	15	16	17	18	19	20	21	22	23	24	25	26	27
17	18	19	20	21	22	23	21	22	23	24	25	26	27	28	29	30	31			
24	25	26	27	28	29	30	28	29												

APRIL							MAY							JUNE						
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JULY							AUGUST							SEPTEMBER						
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10	11	12	13	14	15	16	14	15	16	17	18	19	20	21	22	23	24	25	26	27
17	18	19	20	21	22	23	21	22	23	24	25	26	27	28	29	30	31			
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OCTOBER							NOVEMBER							DECEMBER						
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16	17	18	19	20	21	22	20	21	22	23	24	25	26	27	28	29	30	31		
23	24	25	26	27	28	29	27	28	29	30										

CALENDAR FOR 1961

JANUARY							FEBRUARY							MARCH						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	1	2	3	4	5	6	7	8	9	10	11	12	13	14
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8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				

APRIL							MAY							JUNE						
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						1	1	2	3	4	5	6	7	8	9	10	11	12	13	14
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16	17	18	19	20	21	22	21	22	23	24	25	26	27	28	29	30	31			

JULY							AUGUST							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	1	2	3	4	5	6	7	8	9	10	11	12	13	14
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16	17	18	19	20	21	22	20	21	22	23	24	25	26	27	28	29	30	31		

OCTOBER							NOVEMBER							DECEMBER						
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						1	1	2	3	4	5	6	7	8	9	10	11	12	13	14
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8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				

CALENDAR FOR 1962

JANUARY							FEBRUARY							MARCH						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	1								1	1				1
						2	2								2	2				2
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						4	4								4	4				4
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						7	7								7	7				7
						8	8								8	8				8
						9	9								9	9				9
						10	10								10	10				10
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						27	27								27	27				27
						28	28								28	28				28
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						30	30								30	30				30
						31	31								31	31				31
APRIL							MAY							JUNE						
1	2	3	4	5	6	7	1	2	3	4	5	6	7	8	9	1	2	3	4	5
8	9	10	11	12	13	14	6	7	8	9	10	11	12			3	4	5	6	7
15	16	17	18	19	20	21	13	14	15	16	17	18	19			10	11	12	13	14
22	23	24	25	26	27	28	20	21	22	23	24	25	26			17	18	19	20	21
29	30						27	28	29	30	31					24	25	26	27	28
JULY							AUGUST							SEPTEMBER						
1	2	3	4	5	6	7	1	2	3	4	5	6	7	8	9	1	2	3	4	5
8	9	10	11	12	13	14	6	7	8	9	10	11				9	10	11	12	13
15	16	17	18	19	20	21	12	13	14	15	16	17				16	17	18	19	20
22	23	24	25	26	27	28	19	20	21	22	23	24	25			23	24	25	26	27
29	30	31					26	27	28	29	30	31				30				
OCTOBER							NOVEMBER							DECEMBER						
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8	9	10	11	12	13	14	6	7	8	9	10	11	12	13	14	9	10	11	12	13
15	16	17	18	19	20	21	11	12	13	14	15	16	17			16	17	18	19	20
22	23	24	25	26	27	28	18	19	20	21	22	23	24			23	24	25	26	27
29	30	31					25	26	27	28	29	30				30				

COLLEGE CALENDAR

The Academic Year, 1959-1960

The First Semester

Registration of Freshmen and Seniors	Wednesday, September 9
Registration of Sophomores and Juniors	Thursday, September 10
Classes begin at 8:00 A.M. -----	Friday, September 11
Thanksgiving Recess begins at the close of classes -----	Tuesday, November 24
Thanksgiving Recess ends at 8:00 A.M. -	Monday, November 30
Christmas Recess begins at the close of classes -----	Thursday, December 17
Christmas Recess ends at 8:00 A.M. ----	Monday, January 4
First semester ends at the close of classes	Saturday, January 23

The Second Semester

Registration of Freshmen and Seniors	Wednesday, January 27
Registration of Sophomores and Juniors	Thursday, January 28
Classes begin at 8:00 A.M. -----	Friday, January 29
Easter Recess begins at the close of classes -----	Tuesday, April 12
Easter Recess ends at 8:00 A.M. -----	Tuesday, April 19
Alumni Day -----	Saturday, May 21
Baccalaureate Services -----	Sunday, May 22
Commencement -----	Monday, May 23

The Summer Sessions, 1960

Pre-Session

Registration: 8:30-11:30 A.M. -----	Monday, June 6
Classes begin: 1:30 P.M. -----	Monday, June 6
Classes end -----	Friday, June 24

Regular Session

Registration: 8:30-11:30 A.M.:	
1:30-3:30 P.M. -----	Monday, June 27
Classes begin -----	Tuesday, June 28
Classes end -----	Friday, August 5

Post-Session

Registration: 8:30-11:30 A.M. -----	Monday, August 8
Classes begin at 1:30 P.M. -----	Monday, August 8
Classes end -----	Friday, August 26

COMMONWEALTH OF PENNSYLVANIA STATE COUNCIL OF EDUCATION

**Dr. Charles H. Boehm, President
and Chief Executive Officer**

PAUL R. ANDERSON	Pittsburgh
JAMES H. DUCKREY	Cheyney
O. H. ENGLISH	Abington
STEPHEN B. SWEENEY	Philadelphia
PEARL BUCK WALSH	Perkasie
WILLARD E. GLADFELTER	Philadelphia
CATHLEEN M. CHAMPLIN	Philadelphia
GEORGE E. HAMILTON	Meadville
ANDREW J. NOWAK	Erie

DEPARTMENT OF PUBLIC INSTRUCTION

CHARLES H. BOEHM	Superintendent of Public Instruction
HAROLD H. ALDERFER	First Deputy Superintendent
GEORGE W. HOFFMAN	Deputy Superintendent
RALPH C. SWAN	Deputy Superintendent
CLARENCE E. ACKLEY	Deputy Superintendent
CARL E. SEIFERT	Deputy Superintendent

COLLEGE BOARD OF TRUSTEES

CHARLES W. DAVID, President	Wayne
JOHN STOKES ADAMS, JR., Vice President	Strafford
MRS. J. HERBERT CHAMBERS, Secretary-Treasurer	West Chester
MRS. FRANCES V. ATKINSON <i>Lawrence 5-0443</i>	Bryn Mawr
ROBERT R. BATT	Ithan
ELIZABETH REED ROSS <i>Fillmore 84870</i>	Doylestown
H. LARUE FRAIN	Birchrunville
ROBERT M. URBANI	Wynnewood
HARRY C. SYMONS	Pottstown

ADMINISTRATIVE OFFICERS

H. LARUE FRAIN	Acting President
EARL F. SYKES	Acting Dean of Instruction Director of Graduate School
B. PAUL ROSS	Director of Admissions
MARK M. EVANS	Director of Elementary Education and Principal of the Demonstration School
M. JANE CATON	Dean of Women
BERNICE H. BERNATZ	Assistant Dean of Women
W. GLENN KILLINGER	Dean of Men and Head Coach of Football and Baseball
ROBERT M. MITTEN	Assistant Dean of Men
WILLIAM R. BENNER	Faculty Manager of Athletics
EMIL H. MESSIKOMER	Director of Personnel and Head Coach of Basketball
EVERETT E. SHAEFER	Business Manager
HERBERT CLAVIER	Superintendent of Buildings and Grounds

FACULTY *

1958-59

- CHARLES S. SWOPE (Deceased May 31, 1959) *President*
West Chester State Teachers College; Dickinson College, B.A.;
University of Pennsylvania, A.M.; Dickinson College, Pd.D.
- GRACE D. MCCARTHY *Department of English, Emeritus*
University of Michigan, B.A.; University of Chicago, M.A.
- ANNE M. GOSHEN *Department of Education, Emeritus*
West Chester State Teachers College; University of Michigan, B.L.;
University of Pennsylvania, A.M.
- GERTRUDE K. SCHMIDT *Department of Music, Emeritus*
Institute of Musical Art, New York; Trenton State Normal School;
New York University, B.S. Mus., M.A.
- CHARLES W. HEATHCOTE *Department of Social Studies, Emeritus*
Gettysburg College, B.A.; University of Pennsylvania, A.M.;
George Washington University, Ph.D.
- MARION FARNHAM *Department of Art, Emeritus*
Massachusetts School of Art; University of Puerto Rico, B.A.;
Boston University, M.A.
- GEORGE R. CRESSMAN *Department of Education, Emeritus*
Pennsylvania State University, B.S.;
University of Pennsylvania, A.M., Ph.D.
- S. ELIZABETH TYSON, Assistant Professor *English and
Foreign Languages*
West Chester State Teachers College;
New York University, B.S., M.A.
- THELMA J. GREENWOOD, Assistant Professor *Science*
West Chester State Teachers College;
University of Pennsylvania, B.S.;
New York University, M.A.
- DOROTHY RAMSEY, Assistant Professor *English and
Foreign Languages*
University of Pennsylvania, B.S., A.M.
- ANNE L. SMITH, Associate Professor *Education
Demonstration School*
Galloway College, B.A.; Northwestern University, M.A.
- DORA F. WOLFANGLE, Associate Professor *Education
Demonstration School*
West Chester State Teachers College;
Columbia University, B.S., M.A.

* With the exception of the President, names are arranged in order of appointment.

- FAYE A. COLLICOTT, Associate Professor *Library*
 Simpson College, B.A.;
 Columbia University, B.S. in Library Science, M.A.
- ANNE M. SCHAU, Assistant Professor *Health and
 Physical Education
 Supervisor of Student Teaching*
 Columbia University, B.S., M.A.
- MURIEL LEACH, Assistant Professor *Health and
 Physical Education*
 Sargent School; Columbia University, B.S., M.A.
- LUCILE MEREDITH, Associate Professor *Education
 Demonstration School*
 Women's College of the University of North Carolina, B.A.;
 Columbia University, M.A.
- LAURA J. WILSON, Assistant Professor *Education
 Demonstration School*
 University of Pennsylvania, B.S., A.M.
- W. GLENN KILLINGER
Dean of Men, Head Coach of Football and Baseball
 Pennsylvania State University, B.S.; Columbia University, M.A.;
 Gettysburg College, Sc.D.
- S. POWELL MIDDLETON, Assistant Professor *Music*
 West Chester State Teachers College, B.S.;
 Duquesne University, M.A.
- ARTHUR E. JONES, Professor *Music*
 New York University, B.S.Mus., M.A., Ph.D.
- LLOYD C. MITCHELL, Professor *Music
 Head of the Department*
 Morningside College, Sioux City, Iowa;
 Peabody Conservatory of Music, B.Mus., M.Mus.
 Pennsylvania State University, Ed.D.
- THOMAS J. S. HEIM, Professor *Social Studies*
 Bucknell University, B.S., M.A.; University of Pittsburgh, Ed.D.
- KENNETH C. SLAGLE, Professor *English and
 Foreign Languages
 Head of the Department*
 Mount Union College, B.A.;
 University of Pennsylvania, A.M., Ph.D.
- EARL F. SYKES, Professor *Education
 Director of Student Teaching
 and Placement*
 Montana University, B.A., M.A.; Columbia University, Ed.D.

- WILLIAM R. BENNER, Assistant Professor *Geography*
Faculty Manager of Athletics
 West Chester State Teachers College, B.S.;
 Temple University, M.A.
- WILLARD J. TREZISE, Professor *Science*
Head Coach of Wrestling
 Lebanon Valley College, B.S.; Johns Hopkins University, M.S., Ph.D.
- ROBERT B. GORDON, Professor *Science*
Head of the Department
 Ohio State University, B.Sc., M.Sc., Ph.D.
- WILLIAM F. VOLLBRECHT, Professor *Social Studies*
 Northwestern University, B.A., B.S.; Columbia University, M.A.;
 University of Pennsylvania, Ph.D.
- KENNETH BRADDOCK-ROGERS, Professor *Science*
 Haverford College, B.S.; University of Pennsylvania, M.S., Ph.D.
- JAMES ANDES, Professor *Social Studies*
Head of the Department
 University of Pennsylvania, B.S., Ph.D.
- ALEXANDER ANTONOWICH, Professor *Music*
Supervisor of Student Teaching
 Institute of Musical Art; Juilliard School of Music, B.S.;
 Columbia University, M.A., Ed.D.
- JAMES J. WRIGHT, Professor *Music*
 West Chester State Teachers College, B.S.;
 Temple University, M.Ed.; Eastman School of Music, Ph.D.
- POWELL S. THOMAS, Associate Professor *English and*
Foreign Languages
 Gettysburg College, B.A.; University of Pennsylvania, A.M.
- RUSSELL L. STURZEBECKER, Professor *Health and*
Physical Education
Head of the Department
Supervisor of Student Teaching
 West Chester State Teachers College, B.S.;
 Temple University, M.Ed., Ed.D.
- ROBERT CARL, Assistant Professor *Music*
 Johns Hopkins University, B.S.;
 Peabody Conservatory, B.Mus., M.Mus.
- THOMAS E. BERRY, Professor *English and*
Foreign Languages
 University of Pennsylvania, A.B., A.M.;
 University of Pittsburgh, Ph.D.

- PAUL E. CARSON, Associate Professor *Music*
Central Missouri State College, B.S.;
Carnegie Institute of Technology, M.F.A.
- JOHN W. CLOKEY, Associate Professor *English and
Foreign Languages
Head Coach of Track*
West Chester State Teachers College, B.S.;
Temple University, M.Ed.
- ARNOLD FLETCHER, Professor *Music*
Temple University, B.S., M.Ed.; University of Pennsylvania, Ed.D.
- MIRIAM S. GOTTLIEB, Associate Professor *Music*
Juilliard School of Music; University of Denver, B.A.;
Columbia University, M.A.
- JOHN W. GUTSCHER, Associate Professor *Music*
Juilliard School of Music, B.S.; Columbia University, M.A.;
Leipzig Conservatory; New York College of Music.
- *HELEN T. IVINS, Assistant Professor *Social Studies*
West Chester State Teachers College, B.S.;
University of Pennsylvania, M.S.
- CHESTER L. MCTAVISH, Professor *Science*
Juniata College, B.S.; Pennsylvania State University, M.S., Ed.D.
- EMIL H. MESSIKOMER, Associate Professor *Health and
Physical Education
Director of Personnel
Head Coach of Basketball*
West Chester State Teachers College, B.S.;
Columbia University, M.A.
- CHARLES W. PATTERSON, Associate Professor *Education*
Shippensburg State Teachers College, B.S.;
Duke University, M.Ed.
- JAMES B. BONDER, Professor *Education
Football Line Coach*
LaSalle University, B.A.; Villanova University, M.A.;
Temple University, Ed.D.
- B. PAUL ROSS, Professor *Education
Director of Admissions*
Clarion State Teachers College;
Pennsylvania State University, B.S., M.S., Ed.D.
- WILLIAM C. SKILLEN, Assistant Professor *Science*
Temple University, B.S.; University of Pennsylvania, M.S.

*Leave of absence, Fall semester, 1958-59

DOROTHY YANISCH, Associate Professor *Health and
Physical Education*

West Chester State Teachers College, B.S.;
Temple University, M.Ed.

MARK M. EVANS, Professor *Education*
Principal of the Demonstration School
Supervisor of Student Teaching

Dickinson College, B.Ph.; University of Pittsburgh, M.Ed., Ph.D.

*ETHEL KELLER, Assistant Professor *Music*
Lebanon Valley College, B.S.;
Peabody Conservatory of Music, B.Mus.;
University of Pennsylvania, A.M.

JAMES A. BINNEY, Professor *English and
Foreign Languages*
Clarion State Teachers College; Pennsylvania State University, B.A.;
University of Pittsburgh, M.A., Ph.D.

FRANK T. CHEESMAN, Professor *Music*
Conservatory of Music, Toronto, Canada;
Northwestern University, B.Mus., M.Mus.;
Columbia University, Ed.D.

GERALDINE CONBEER, Associate Professor *Library*
Millersville State Teachers College, B.S.;
University of Pittsburgh, M.Ed.;
Drexel Institute of Technology, B.S. in Library Science.

ALVIN S. KEINARD, Professor *Geography*
Head of the Department
Juniata College, B.A.; Pennsylvania State University, M.Ed.; Ed.D.

ALVIN B. DAVIS, Associate Professor *Health and
Physical Education*
Head Coach of Gymnastics

Panzer College, B.S.;
State Teachers College, Montclair, New Jersey, M.A.

HARRY WILKINSON, Professor *Music*
Temple University, B.S., M.Ed.; University of Rochester, Ph.D.

HELEN I. KENNEDY, Associate Professor *Science*
Mount Holyoke College, B.A.;
University of Pennsylvania, M.S. in Ed.

ARTHUR S. HAWTHORNE, Associate Professor *Geography*
Head Coach of Cross Country
California State Teachers College, B.S.;
University of Pittsburgh, M.A.

*First semester, Fall-Winter, 1958-59

- H. THEODORE HALLMAN, Associate Professor *Art*
Head of the Department
 Philadelphia Museum School of Fine Art;
 Temple University Tyler School of Fine Arts, B.F.A., B.S.Ed., M.F.A.
- EDWARD T. TWARDOWSKI, Associate Professor *Health and*
Physical Education
Coach of Swimming
 West Chester State Teachers College, B.S.;
 University of Pennsylvania, M.S.
- ROBERT W. REESE, Assistant Professor *Health and*
Physical Education
 East Stroudsburg State Teachers College, B.S.;
 University of Pennsylvania, M.S.
- L. FORREST FREE (Deceased April 29, 1959) *Dean of Instruction*
 Lafayette College, A.B.; Columbia University, A.M.;
 New York University, Ph.D.
- ROBERT D. MCKINNEY, Associate Professor *Art*
 Edinboro State Teachers College, B.S.;
 Pennsylvania State University, M.Ed.
- ALTON J. CHILDERS, Associate Professor *Education*
Supervisor of Student Teaching
 Glenville State Teachers College, A.B.;
 West Virginia University, M.A.
- HAROLD SHAFFER, Associate Professor *Social Studies*
 Susquehanna University, A.B.;
 University of Pittsburgh, Litt.M.
- MILTON C. WOODLEN, Professor *Education*
 Temple University, B.S., Ed.M., Ed.D.
- ANNE SIMON KELLY, Instructor *Music*
 Academy of Vocal Arts, Philadelphia, Pa.
- MARY M. BLISS, Assistant Professor *Science*
 Swarthmore College, B.A.; Temple University, M.S.
- DOROTHY R. STOUT, Assistant Professor *Music*
Supervisor of Student Teaching
 West Chester State Teachers College, B.S.;
 Temple University, M.Ed.
- ROY D. SWEET, Associate Professor *Music*
 Fredonia State Teachers College, B.S.;
 Eastman School of Music, M.M.
- WILLIAM LANDRUM, Associate Professor *English and*
Foreign Languages
 Virginia Military Institute, B.A.;
 Temple University, M.A.

- CLIFFORD H. HARDING, Professor *Social Studies*
Nebraska State College, A.B.; State University of Iowa, M.A.
New York University, Ph.D.
- N. RUTH REED, Associate Professor *Health and Physical Education*
East Stroudsburg State Teachers College, B.S.;
Pennsylvania State University, M.Ed.
- JOSEPH K. HALL, Associate Professor *Library Head Librarian*
University of Kentucky, A.B.;
Columbia University, B.S. in Library Science;
Villanova University, M.A.
- JAMES M. McDONNELL, Assistant Professor *Science*
Temple University, A.B., M.A.
- EDNA D. MARTIN, Associate Professor *Education Supervisor of Student Teaching*
Teachers College, Columbia University, B.S., M.A.
- BYRON Y. FLECK, Professor *Social Studies*
Franklin and Marshall College, B.A.;
University of Iowa, M.A., Ph.D.
- JANE SHEPPARD, Associate Professor *Music*
Westminster College, B.M.; Juilliard School of Music;
Columbia University, M.A. in Music.
- ETHEL GLADYS HAAS, Associate Professor *Education*
Plattsburg State Teachers College, B.S.;
University of Maryland, M.Ed.
- ROBERT M. MITTEN, Assistant Professor *Health and Physical Education Assistant Dean of Men Football Backfield Coach*
University of North Carolina, A.B., A.M.
- *BARBARA JANE COATES, Assistant Professor *Health and Physical Education*
Lock Haven State Teachers College, B.S.;
Allegheny College, M.A.
- CATHERINE ESTHER GREGG, Professor *Education*
Oberlin College, A.B.; Western Reserve University, M.A.;
Columbia University, Ph.D.
- EDWARD G. EVERETT, Professor *Social Studies*
Indiana State Teachers College, B.S.;
University of Pittsburgh, M.A.; Ph.D.
- M. JANE CATON *Dean of Women*
Indiana State Teachers College, (Terre Haute, Ind.), B.S.;
Ohio University, M.S.

*Leave of absence 1958-59

- BERNICE H. BERNATZ *Assistant Dean of Women*
Iowa State Teachers College, B.A.;
University of Michigan, M.A.
- ELLA M. TRAVIS, Professor *Mathematics*
West Virginia University, A.B.;
University of Pittsburgh, M.Ed., Ph.D.
- RICHARD P. WEACLEY, Professor *Education*
Head Coach of Tennis
Lebanon Valley College, B.S.;
Pennsylvania State University, M.Ed.; D.Ed.
- MURIEL M. ORTLIP, Assistant Professor *English and*
Foreign Languages
West Chester State Teachers College, B.S.;
University of Pennsylvania, M.S.
- CONSTANTINE JOHNS, Professor *Music*
Southeast Missouri State Teachers College, B.S.;
Teachers College, Columbia University, M.A., Ed.D.
- EDWIN B. COTTRELL, Professor *Health and*
Physical Education
Supervisor of Student Teaching
Head Coach of Golf
Slippery Rock State Teachers College, B.S.;
University of Pittsburgh, M.Ed.;
Pennsylvania State University, Ed.D.
- CHARLES A. SPRENKLE, Assistant Professor *Music*
Peabody Conservatory of Music, B.M., M.M.;
Johns Hopkins University, B.S.
- ELINOR Z. TAYLOR, Assistant Professor *Health and*
Physical Education
West Chester State Teachers College, B.S.; Temple University, M.Ed.
- LOIS M. WILLIAMS, Assistant Professor *Music*
Western Michigan College of Education, B.Mus.;
Teachers College, Columbia University, M.A.
- JULIUS M. HILL, Professor *Education*
Northern Michigan College of Education, B.S.;
University of Michigan, M.A., Ph.D.
- CHARLOTTE E. KING, Associate Professor *Education*
Temple University, B.S. in Ed., Ed.M.
- *JUNE E. STUCKEY *Assistant Dean of Women*
Wilmington College, A.B., B.S. in Ed.;
Ohio State University, M.A.

- MICHAEL F. BANNON, Professor *Education*
 State Teachers College, Troy, Alabama, B.S.;
 Teachers College, Columbia University, M.A.;
 Peabody College, Ed.D.
- JANE GRAY SMITH, Associate Professor *Library*
 Millersville State Teachers College, B.S.
 Pennsylvania State University, M.Ed.;
 School of Library Science, Columbia University, M.L.S.
- MARGARET J. WIAIT, Associate Professor *Geography*
 Clarion State Teachers College, B.S.;
 University of Pittsburgh, M.Litt.
- KATHERINE W. FAUCETT, Assistant Professor *English and
Foreign Languages*
 Washington College, B.A.;
 University of Pennsylvania, M.A.
- RICHARD G. STUDENMUND, Associate Professor *Education
Supervisor of Student Teaching*
 Shippensburg State Teachers College, B.S.;
 Temple University, M.Ed.
- HAROLD W. BENDA, Professor *Education
Head of the Department*
 Iowa State Teachers College, B.A.;
 University of Iowa, M.A.;
 New York University, Ed.D.
- IRENE G. SHUR, Assistant Professor *Social Studies*
 Ohio State University, B.S.;
 University of Delaware, M.Ed.
- EDWARD A. BARROW, Assistant Professor *Music*
 Eastman School of Music, University of Rochester, B.M., M.M.
- JACK A. OWENS, Professor *Health and
Physical Education*
 Concord College, B.A.
 West Virginia University, M.S.;
 Pennsylvania State University, Ed.D.
- MARY M. MANEVAL, Professor *Social Studies*
 Pennsylvania State University, A.B.;
 University of Michigan, M.A., Ph.D.
- ALBERT E. FILANO, Professor *Mathematics
Head of the Department*
 University of Pennsylvania, B.S., M.S.
 Pennsylvania State University, Ph.D.
- MARION DAVIES, Associate Professor *Education
Demonstration School*
 New York University, B.S., M.A.

-
- GEORGE LANGDON, Professor *Geography*
 Pennsylvania State University, B.S., M.S.
 Clark University, Ph.D.
- RUSSELL K. RICKERT, Associate Professor *Science*
 West Chester State Teachers College, B.S.
 University of Delaware, M.S.
- NORMAN A. COCHRAN, Associate Professor *Health and
Physical Education*
 West Chester State Teachers College, B.S.
 University of Maryland, M.A.
- CLIFTON E. MORGAN, Assistant Professor *Social Studies*
 East Stroudsburg State Teachers College, B.S.;
 Rutgers University, M.A.
- RICHARD L. STRAYER, Assistant Professor *Education*
 West Chester State Teachers College, B.S.;
 University of Delaware, M.Ed.
- ELENORE PEPPER, Assistant Professor *Health and
Physical Education*
 Beaver College, B.S.
- CHARLES P. EMERY, Assistant Professor *Education
Supervisor of Student Teaching*
 West Chester State Teachers College, B.S.
 University of Pennsylvania, M.S.
- ALEXANDRE GOULET, Professor *English and
Foreign Languages*
 Joliette College (Quebec), A.B.; Boston College, M.A.
 University of Paris, Ph.D.
- MELVIN M. LORBACK, Associate Professor *Health and
Physical Education
Head Coach, Soccer*
 State University Teachers College, Brockport, N. Y., B.S.;
 Pennsylvania State University, M.S.
- GERTRUDE W. BERNARD, Associate Professor *Music*
 Carnegie Institute of Technology, B.F.A.;
 Pennsylvania State University, M.Ed.
- RAY K. HACKER, Assistant Professor *Library*
 Kutztown State Teachers College, B.S.
 University of Michigan, M.A.L.S.
- *LOUISE GIUNTA, Instructor *Health and
Physical Education*
 West Chester State Teachers College, B.S.
-

- EDWARD NORRIS, Associate Professor *Health and Physical Education*
West Chester State Teachers College, B.S.;
Medical College of Virginia, M.S. in Physical Therapy
- ROBERT MCENTIRE, Associate Professor *English and Foreign Languages*
Westminster College, B.A.; University of Michigan, M.A.
- CARRIE C. KULP, Assistant Professor *Education Demonstration School*
Wheaton College, B.A.; University of Delaware, M.Ed.
- DOROTHY D. BAILEY, Professor *English and Foreign Languages*
Our Lady of the Lake College, B.A.;
University of Texas, M.A.;
University of Wisconsin, Ph.D.
- ARTHUR J. ORLOSKE, Associate Professor *Health and Physical Education*
University of Wisconsin, B.S.; M.S.
- ANNE C. LEUIKEN, Assistant Professor *Education Demonstration School*
Wilson College, A.B.;
Temple University, M.Ed.
- CAROLYN SIMMENDINGER, Assistant Professor *Art*
Kutztown State Teachers College, B.S.;
Temple University, M.F.A.
- *ELIZABETH FORSYTHE FITZGERALD, Instructor *Science*
Wilson College, B.A.
- **MILDRED L. COTTRELL, Instructor *Health and Physical Education*
Slippery Rock State Teachers College, B.S.
- W. BENJAMIN WHITTEN, Assistant Professor *Music*
Peabody Conservatory, College of Music, Johns Hopkins University,
B.M.; M.M.

*Substitute teacher, 1958-59

**Substitute Teacher, Spring semester, 1959

NON-INSTRUCTIONAL STAFFS

SECRETARIAL STAFF

MARY R. WEIR, B.S.	Secretary to the President
VAUGHN M. YARNALL	Assistant Secretary to the President
MARY ANN WYLIE	Secretary to the Dean of Instruction
HELEN R. McCAUGHEY	Assistant Secretary to the Dean of Instruction
PHYLLIS DILLOW	Assistant Secretary to the Dean of Instruction
MILDRED M. SCOTT	Secretary to the Director of Student Teaching and Placement
JANE R. DAVENPORT, B.A.	Assistant Secretary to the Director of Student Teaching and Placement
MARY K. GIBSON	Secretary to the Director of Admissions
BETTY D'ATTILIO	Assistant Secretary to the Director of Admissions
AUDREY DAWSON	Assistant Secretary to the Director of Admissions
SHIRLEY G. JOYCE	Secretary to the Dean of Women
CAROL A. ANDRIEN	Secretary to the Dean of Men
FRANCES S. CARRIGAN	Secretary to the Steward
CATHERINE CONNELL	Assistant Secretary to the Steward
MABEL H. CALLOWAY	Secretary to the Principal, Demonstration School
SARAH S. HOFFMAN	Stenographic and Duplicating Services
CATHERINE SORENSEN	Secretary, Music Department
SALLY ROHE	Secretary, Health Education Department
FLORENCE MOSTELLER	Secretary, Francis Harvey Green Library
EDITH N. CAMPBELL, B.S.	Publications

BUSINESS OFFICE STAFF

EVERETT E. SHAEFER, B.C.S., M.A.	Business Manager
ELIZABETH C. GRIFFITH, B.S.	Principal Clerk
SARA Y. HYATT	Accountant
HELEN D. PATTON, A.B.	Bookkeeping Clerk
MARIAN LUMIS	Bookkeeping Clerk
HANNAH BELLE T. MORRISON	Senior Clerk (Part-time)
FREDA CAREY	Clerk
ELIZABETH LACY	Clerk
EMILY C. HAINES, A.B.	Clerk (Part-time)
GERALDINE KAUT	Clerk

HEALTH SERVICE STAFF

C. P. KISTLER, M.D.----- College Physician
ESTHER EVES, R.N.----- Nurse
MARIE W. FUTER, R.N.----- Nurse

MAINTENANCE STAFF

HERBERT CLAVIER	Superintendent of Buildings and Grounds
AGNES SPEAKMAN	Housekeeper
BEATRICE F. CONNELL	Postmistress
MILDRED HUGHES	Post Office Assistant
MABEL BARRETT	Receiving Clerk
M. LYNN McCORMICK	Telephone Operator
ELMA PIERCE	Telephone Operator
DOROTHY SMITH	Dormitory Supervisor
FLORENCE K. PFOST	Dormitory Supervisor
JULIA WIENANDT	Dormitory Supervisor
ETHEL OTTO	Dormitory Supervisor

LIBRARY STAFF

MARIAN HALL _____ Library Assistant

FILM LIBRARY

BESSIE H. GRUBB.....Clerk

COLLEGE BOOK STORE

CATHERINE FINEGAN ----- Book Store Manager
MARY S. PHILLIPS ----- Assistant Clerk

COOPERATING TRAINING TEACHERS

Elementary Education

WEST CHESTER

Bannon, Frances T., B.S., M.A.	Leaf, Natalie, M.Ed.
Binney, Edith B., B.S.	McCowan, Florence, B.S.
Bishop, Ethel H., B.S., M.S.	Maxwell, Zelma, B.S.
Boyle, Orphia S., B.S.	Melton, Mary Luice, B.S.
Broomall, Elizabeth, B.S.	Meredith, Margaret, B.S.
Bryant, Bertha O., B.S.	Muth, Estella, B.S.
Carson, Dorothy, B.S.	Peterkin, Isabelle V., B.S.
Eavenson, Sarabell, B.S.	Pyle, Dorothy D., B.S.
Esworthy, Sara R.	Ritter, Ethel J., B.S.
Everett, Mary Ruth, B.S.	Robertson, Phyllis, B.S.
Frey, G. Beatrice, B.S.; M.A.	Robins, Anne, B.S.
Giangiulio, Ellen M., B.S.	Royster, Willa, B.S.
Goulet, Genevieve, A.B.	Shultis, Eva (Hirsch), B.S.; M.A.
Hayden, Eleanor, B.S.	Smith, Patricia H., B.S.
Housel, Lenore K., B.S.; M.A.	Snyder, Helen E., B.S.
Keim, Edna R., B.S.	Spann, Alice L., B.S.
Keithley, Mildred	Towles, Sara W., B.S.
Kelly, Mary S., B.S.	Yocum, Betty, B.S.
Kinsey, Mary F.	Zale, Ruth, B.S.
Kunkle, Martha, B.S.	

WEST GOSHEN

Atwell, Lena F.	Middleton, Edith, B.S.
Darlington, Emma, B.S.	Morgan, David C., B.S.; M.Ed.
Evans, Vera H., B.S.	Mutter, Nancy Lou, B.S.
Gilbert, Lorraine, B.S.	Regester, Eleanor, B.S.
Highley, Anna M., B.S.	Thomas, Margaret, B.S.
Jordan, Verna, B.S.	Woodward, Laura, B.S.; M.A.

WESTTOWN-THORNBURY

Day, Sophia, B.S.	Marrone, Jane F., B.S.
Kent, Lillian, B.S.	Massey, Edna C., B.S.
McFarland, Harriett	

NEWTOWN SQUARE

Carano, Carmen, B.A.; M.Ed.	McIntosh, Elizabeth H., B.S.
Coggeshall, Virginia, B.A., Ed.M.	Morrison, Oneta Holder, B.S.
Conestabile, Jennie, B.S.; M.Ed.	Pertchack, Eugene, B.S.; M.S.
Fobo, Marie K., B.S.	Plank, John, A.B.
Hollis, Janet, B.S.	Shissler, Margaret, B.S.
Hutzel, Mary Barbara, B.S.	Steele, Ellen Michener, B.S.
Lapinsky, Viola Munnell, B.S.	Tracey, Julia Marie, B.S.
McCauley, John Allen, B.S.	

Secondary Education

DOWNTOWN

Ax, Charles J., B.S.	Fry, James, A.B.
Campbell, Edward, B.S.	Laird, Mildred F., A.B., M.Ed.
Caskey, Howard, B.S.	Ratcliffe, Clifford, B.S.
Costello, Mary P., B.S., Ed.M.	Remetz, Michael J., B.S.; M.A.

WEST CHESTER

Anderson, Erroll P., B.S.; M.S.
 Baker, Anna L., A.B.; M.A.
 Boeckler, Charles F., B.S.; M.A.
 Carroll, Harry E., B.S.
 Childs, Kathryn, B.S.; M.S.
 Ford, Barbara, A.B.; M.A.
 Freeman, Robert S., B.A.
 Gearhart, Aldine, B.S.; M.A.
 Geschwindt, Irving, B.S.; M.Ed.
 Hickey, Mildred, A.B.; M.A.
 Kern, Joseph L., B.A.
 Knighton, Walter B., B.S.
 Lewis, Keitha, B.A.; M.A.
 McClelland, Liberty, A.B.; M.A.

Nunan, Desmond, B.A.; M.A.
 Pearl, Herbert E., B.S.
 Rewucky, Christine, B.S.; M.A.
 Riegle, Robert, B.S.
 Schrack, Leila B., B.S.
 Stahl, John, B.S.
 Stecyk, Emil, B.S.
 Trapnell, Edyth, B.S.; M.S.
 Temple, Sara S., B.S.; M.S.
 Urich, Russel, A.B.; M.S.
 Von Stetten, Glen, B.S.
 Wells, Hibbert, B.S.; M.Ed.
 Zeiders, Charles A., A.B.; M.A.

PENNCREST

Cole, Bernice, A.B.
 Patrick, Melio, B.S.; M.L.
 Udovich, Walter, B.S.

Vlachos, Francis, B.S.
 Wheatley, Edna, B.S.

Music Education**CENTRAL DELAWARE****JOINT SCHOOLS:**

Crooks, Elizabeth, B.S.
 Jacobson, Irving, B.S.; M.S.

KENNETT SQUARE:

Canfield, Patrick M., B.S.; M.Ed.
 Ott, Ray L., B.S.

NEWTOWN SQUARE:

Doran, Joseph, Ed.M., B.S.
 Freeze, Elizabeth, B.S.; M.A.
 Melrose, Genevieve, B.S.

TREDYFFRIN-EASTTOWN:

Culp, Carmin E., B.S.
 Hoehler, Mary, B.S.; M.S.
 Jones, Mary B., B.S.
 Kurz, S. Wenlock, M.S.

WEST CHESTER:

Barrett, David R., B.S.
 Buchanan, Bertha, B.S.
 Dillman, Charlotte, B.S.
 Gustafson, Edna, B.S.

WEST GOSHEN:

Ginter, Lillian, B.S.

WESTTOWN-THORNBURY:

Davis, Marion W., B.S.

Health Education**CHESTER:**

Blazinski, Earl, B.S.; M.S.
 Brewster, Jesse, B.S.; M.S.
 Boyer, Howard, B.S.; M.S.
 Forwood, Robert, B.S.

CHICHESTER:

Barnett, Lillian M., B.S.; M.A.
 Kalickman, Milton, B.S.; M.A.
 Nugent, Robert, B.S.

CONESTOGA:

Dulin, Virginia, B.S.
 Fitzgerald, Robert, B.S.
 Keehm, Robert, B.S.; M.Ed.
 Sheppard, Douglas, B.S.; M.Ed.

DOWNINGTOWN:

White, Donald, B.S.; M.Ed.

EDDYSTONE:

Bassett, William, B.S.; M.Ed.

HAVERFORD TOWNSHIP:

Juenger, Stephen, B.S.; Ed.M.
 Keyser, Ted, B.S.; M.S.

KENNETT SQUARE:

Truxton, Herbert, B.S.; M.Ed.
 Paynter, Charles, B.S.; M.A.

LANSDOWNE-ALDAN:

Black, Lloyd, B.S.; M.S.
 Duncan, Douglas, B.S.
 Emberger, Robert, B.S.; M.Ed.

MARPLE-NEWTOWN:

Pittman, Robert, B.S.; M.Ed.

NETHER-PROVIDENCE:

Haupt, Chester, B.S.

Wright, Robert, B.S.

OCTORARO:

Lawrence, John, B.S.; Ed.M.

Minch, Matthew, B.S.

RADNOR:

Encke, Ethel, B.S.; M.S.

Lentz, Warren, B.S.; M.S.

Metoxen, Emerson, B.S.

Wheeler, Margaret, A.B.

RIDLEY PARK:

Bassoe, Sigrun, B.S.

Wilson, John, B.S.

RIDLEY TOWNSHIP:

Adams, Robert, B.A.

DiFranks, Nicholas, B.S.

O'Donnell, John, B.S.; M.A.

Wynn, Hugh, B.S.

PENNCREST:

Kaufman, William, B.S.; M.E.

Scott, Deborah, B.S.

Scott, Louis, B.S.; M.Ed.

SPRINGFIELD:

Bell, Harry, B.S.; M.A.

Brusch, Jane, B.S.

Shoemaker, Richard, B.S.

Schopf, Wilbur, B.S.

SPRINGFORD:

McNelly, Robert, B.S.

SWARTHMORE:

Allen, Virginia, B.S.

Reese, William, B.S.; Ed.M.

Robinson, Millard, B.S.; M.S.

UNIONVILLE-CHADDSFORD:

Reynolds, J. Lewis, B.S.

WEST CHESTER:

Bucks, Marybelle, B.S.

Gilbert, Harry, B.S.

Haupt, Elsie, B.S.

Haupt, Elmer, B.S.; M.A.

Jenny, Caroline, B.S.; Ed.M.

Murray, Florence, B.S.

Malikowski, Edward, B.S.

Raffensberger, Harold, B.S.

STATE TEACHERS COLLEGE**GENERAL INFORMATION****History**

The West Chester Academy, founded in 1812, marks the beginning of the College. The Academy trustees took the initial steps in 1869 toward the establishment of the West Chester Normal School. The graduates of this institution went out into the state as teachers. The Commonwealth, realizing its responsibility in the preparation of teachers, began in 1871 to grant money to pay part of their training. These grants, then termed State Aid, have continued in various forms. As the West Chester Normal School, the institution had five principals. Dr. Andrew Thomas Smith, the last to bear the title, was a scholarly and deeply loved executive. When the State Normal School became the State Teachers College in 1927 the head of the institution became president. Among the men who have led the school, Dr. George Morris Philips, the fourth principal, is especially prominent. Through his long term of service he made a major contribution to the physical and educational progress of the College. His name is associated with the building program which he successfully initiated and accomplished. The college plant consisted of one building, the present central section of "Old Main," when he became principal. From 1891 to 1920 his direction and inspiration increased the College by the construction of additions to "Old Main," the Old Gymnasium, the Green House, the Infirmary, and Recitation Hall. The Demonstration School and the Library were added at the turn of the century. Wayne Hall, built on the site of the Camp Wayne of the Civil War, was erected in 1911. The auditorium and administration building was built in 1925 and named the Philips Memorial Building in honor of Dr. Philips. 1930 saw the addition of the Ehinger Gymnasium and the President's residence. More recently the Library and Power House have been remodeled and a Laundry and Classroom building, Anderson Hall, have been built.

The College is justly proud of its reputation in the educational world. One of the earliest summer schools in the country was inaugurated here in 1877. West Chester also printed one of the first student handbooks in 1895.

Among the material treasures of the College are: an original painting of George Washington by Charles Wilson Peale for which

Washington gave sittings at Valley Forge during the memorable winter 1777-78; a mahogany grandfather's clock, once the property of Benjamin Franklin; a large collection of letters from the pens of Washington, Lafayette, Greene, Arnold, Wayne, Hamilton, Putman, Sullivan, and Gates, as well as from such literary men as Sidney Lanier and Thomas Buchanan Read; and the autographed book collection of Dr. George Morris Philips to which the English Professional Club is constantly adding.

The State Teachers College at West Chester is the repository of the mineral collections and the herbarium of the Chester County Cabinet of Natural Science. The herbarium includes plant specimens collected in Chester County more than a century ago by Dr. William Darlington and his colleague, David Townsend. The library of the Cabinet is also the property of the College and contains many old and now rare books on natural history, which may be consulted upon request to the librarian.

The Darlington Herbarium and the mineral collections of the Cabinet are located in the College Museum on the third floor of Anderson Hall. These have been augmented by archaeological material representing the Stone Age in Europe, the J. Preston Thomas collection of heads and horns from big game animals, as well as the entire collection of mounted birds and bird skins that formerly belonged to B. Harry Warren, M.D., once the State Ornithologist of Pennsylvania and long-time resident of West Chester.

In 1952, the College received from the late William Pyle Philips, as a legacy, copies of the four Folios of Shakespeare's plays, that is, the First, 1623, Second, 1632, two variants of the Third, 1663 and 1664 respectively, and the Fourth, 1685. It also received the nine volume set of Sanderson's *Biographies of the Signers to the Declaration of Independence*, with autographs of the Signers set in.

These valuable books were given in memory of Dr. Francis Harvey Green and will be permanently housed in the Francis Harvey Green Library.

Location

West Chester is the county seat of Chester County, one of the three original counties laid out by William Penn. The plow engraved on the seal of the county symbolizes the agricultural character of its beautiful rolling hills reminiscent of the English home counties.

Those interested in literature and art will find West Chester has significance. Here Joseph Hergesheimer, the novelist, lived for many

years. Sidney Lanier, Bayard Taylor, Thomas Buchanan Read, Mark Sullivan, and Elsie Singmaster, all have associations with West Chester. The country which Howard Pyle, the artist, made famous lies along the neighboring Brandywine; and the late N. C. Wyeth, a world renowned pupil of Pyle, lived at nearby Chadds Ford.

The famous Longwood Gardens on the estate of the late Pierre S. du Pont are not far from West Chester. These are open to the public. Here are found a magnificent conservatory, an open-air theatre, a famous carillon, and beautiful colored fountains.

The country around West Chester is rich in historical interest. The Valley Forge Memorial Chapel and the camp grounds, the Brandywine Battlefield, Birmingham Meeting House, and the site of the Paoli Massacre lie close at hand. The proximity of West Chester to Philadelphia and its wealth of historical associations enables students to enrich their courses by visits to well-known shrines and institutions as Independence Hall, Carpenters' Hall, the Betsy Ross House, the Pennsylvania Museum of Art, the Academy of Fine Arts, the Rodin Museum, the United States Customs House, The United States Mint, the Zoological Gardens, the Franklin Institute, and the Academy of Natural Sciences. Philadelphia's fine musical organizations afford opportunities to those with an interest in music to hear the best concerts and operas. This is a particular advantage to those taking the course for music supervisors.

BUILDINGS AND GROUNDS

The grounds of the State Teachers College consist of 57.3 acres located in the southeastern part of West Chester. Sixteen buildings with an estimated value of some \$5,530,000 are erected on this tract.

The Reynolds property, adjacent to the Main Campus, was acquired in 1948. It consists of approximately four and one-half acres on which are located a large stone house and a garage.

The Main Campus

The major buildings of the College are located on the Main Campus, a tract of 12.5 acres. The number and variety of its magnificent old trees makes West Chester one of the more attractive eastern colleges. Several recent classes have added much to the beauty of the campus with generous gifts of trees and shrubs.

Wayne Field

West of main campus is located Wayne Field, a tract of about 20 acres, which is used for the men's athletic activities. It includes a quarter-mile running track with 220 yards straightaway, five tennis courts, and fields for soccer, football, and baseball.

Women's Athletic Field

South of the main campus an extensive tract provides for the athletic activities of the women of the College. On this tract are located nine tennis courts and fields for hockey, soccer, softball, archery, and volley-ball. Every woman student of the College has an opportunity to engage in one or more of these sports.

Philips Memorial Building

This building is a memorial to the late Dr. George Morris Philips, a former principal of the school. It contains an auditorium with a seating capacity of approximately two thousand, executive offices, and recreation rooms for faculty and students. It also houses the well-known Philips autographed book collection in the beautiful library which bears the donor's name.

Main Dormitory

This is a four-story building of green stone which is used as the main women's dormitory. It has a basement equipped with laundry and pressing facilities for students. On each floor are bathrooms with modern toilet accommodations; an elevator makes all floors easily accessible. A comfortable lobby affords opportunity for friendly get-togethers, informal teas, and after-dinner coffees. In addition, there are five smaller social rooms, artistically furnished. The dining room, which accommodates both men and women students, is in charge of a trained dietitian.

Freshman Hall

Old Recitation Hall, the former classroom building, has been remodeled and is now used as a dormitory for freshman women. Over one hundred students are housed in this building.

The College Book Store is located on the ground floor at the north side of Freshman Hall and the College Post Office is on the south side on the same floor.

Also on the ground floor is a specially designed laboratory for Descriptive Anatomy, a laboratory for Microbiology and Physiology classes, as well as a Geography Workroom.

Reynolds Hall

The large house located on the former Reynolds property has been completely renovated and now comfortably accommodates approximately twenty women students and a dormitory supervisor.

Wayne Hall

This is a modern, well-equipped dormitory for men. It is built of green stone, is three stories high, and accommodates 156 men.

President's Residence

The home of the President of the College, a former Chester County farmhouse, is located on East Rosedale Avenue.

Anderson Hall

This building was first occupied in 1941. It has special rooms for speech and reading clinics, special up-to-date equipment and laboratories for the science departments, large recreation and study rooms for day students, and offices for administrative and faculty personnel. It contains a full complement of well-equipped classrooms.

Francis Harvey Green Library

The college library, built in 1902, was completely remodeled in 1938-1941, and in 1947 was dedicated to Dr. Francis Harvey Green, former head of the English Department. Some of its special features are the reserve section, the curriculum laboratory, the recreational reading room, and conference rooms. In addition to the reference and periodical rooms, there is an attractive juvenile room, used by children from the Demonstration School as well as by college students. Records and record players are available in the periodical room.

The library has approximately 65,000 volumes and receives over 300 magazines and newspapers. It also has a valuable collection of rare books on natural history, the four folios of Shakespeare's plays (1623-1685), and the Sanderson *Biographies of the Signers to the Declaration of Independence*, with autographs of the Signers.

The staff of the library consists of five trained librarians, one library assistant, one secretary, and a number of student assistants.

The library is affiliated with the Philadelphia Union Catalogue.

Lessons in the use of the library are given to all entering students.

Gymnasiums

The College has complete physical education facilities.

These include the gymnasium named for Dr. and Mrs. Clyde E. Ehinger who were for thirty-four years at the head of the Health and Physical Education Department of the College.

A new field house includes an official size swimming pool with a spectator area accommodating 500 persons, an indoor one-tenth mile running track, two regulation basketball courts, a stabilized earth area equipped for track and field events, a baseball cage, a golf driving cage, a recreational sports deck, wrestling room, corrective room, class room, showers, locker and drying rooms, storage, and offices. Seating facilities for over 2500 spectators are provided.

The *oldest gymnasium* on the campus, built in 1890, serves both as an instructional area and as a student recreation center.

Demonstration School

On the campus is a substantial, well-equipped building which houses a kindergarten and the first six grades of the elementary school. A playground with modern play equipment adequately serves the school. The school population consists of children living outside the local borough, children living in the borough contingent to the building, and children of faculty members. The school provides teaching and learning observations for college classes.

Infirmary

This building houses the student health services and an infirmary. Its equipment is modern and adequate. The staff consists of a part-time physician and two registered nurses.

THE PURPOSE AND OBJECTIVES OF THE STATE TEACHERS COLLEGE AT WEST CHESTER

The Normal School Act, approved May 20, 1857, divided the state into twelve districts and gave permission for the establishment of a normal school in each district. The first district was composed of the following counties: Bucks, Chester, Delaware, Montgomery, and Philadelphia. Under the provisions of this act the State Normal School at West Chester, Pennsylvania, was recognized February 22, 1871. The Normal School became a teachers college offering four-year curricula in 1927. The first degrees were granted during the summer of that year.

The School Laws of Pennsylvania, set forth the purposes for creating and maintaining teachers colleges. Sections 2003 and 2009 read as follows:

Section 2003—PURPOSE—The colleges shall be a part of the public school system of the Commonwealth, and their purpose the education and preparation of teachers. The colleges shall provide proper facilities for instruction in the art and science of teaching, for the boarding and lodging of students in residence, and other necessary facilities approved by the Superintendent of Public Instruction.

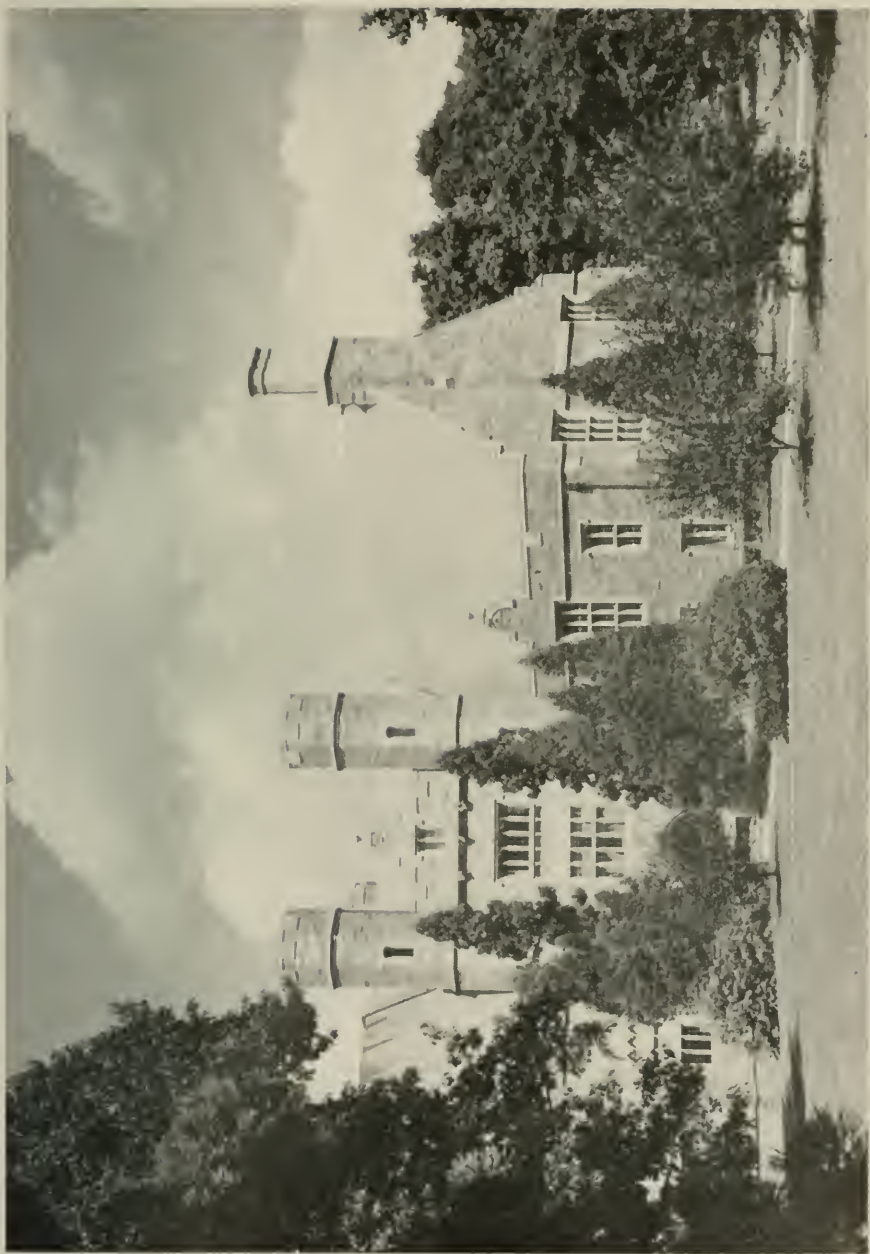
Section 2009—VOCATIONAL EDUCATION AND REHABILITATION PROGRAM: The trustees of any State Teachers College with the approval of the Department of Public Instruction and the Governor, may cooperate with municipal, State, Federal, and other agencies in vocational education and rehabilitation programs in the furtherance of the national defense and post-war activities. For such purposes they shall have power to do all things and enter into all agreements necessary to carry out the same . . .

From the date that the Normal School was recognized by the State to the present time both the Normal School and the College has held as its objective the preparation of teachers for the public schools. The College now offers four curricula—Elementary, Secondary, Music, and Health and Physical Education. The College offers courses evenings and on Saturdays to accommodate teachers in service.

The State Department of Public Instruction in 1951 approved a program of training for the degree Bachelor of Science in Education for Public School Nurses and for Dental Hygienists. The State Teachers College at West Chester is cooperating in this program.

The program at the College stresses the complete preparation of teachers. The mental, physical, and spiritual needs of the students are given attention. Extra-curricular activities, lectures, entertainments, and religious club activities afford each student an opportunity to develop a wholesome personality and to build a good character.

From time to time the faculty study the needs of the College in relation to the work of the teacher in the public schools. Curriculum studies are directed both to content of subject matter areas and to the methods to be used in each field. Special committees are appointed to study various problems and to report their findings and



PHILIPS MEMORIAL BUILDING

recommendations to the faculty. Recently a state-wide study and revision of the curricula in the several State Teachers Colleges was made. These revised curricula were put into operation with the freshman class of 1951. Further studies and adjustments are being continued especially in those areas that lend themselves to integration.

A Student-Faculty Leadership Group is a functioning unit of the College. This group is made up of students, administrative officials, and faculty members. The students represent the four college classes, the student government association, the day and dormitory councils of the men and women, and major club groups. This group considers those questions and problems that are of vital interest to the student body. Through this group means of communication are kept open so that a two-way flow of opinion and careful thinking may have a true vehicle of expression. It has proved very helpful in providing and establishing good relations among the members of the college community. It is felt that it has great carry over values in real life situations and in future citizenship activities.

Under the provisions of the school laws as indicated in Section 2009, the State Teachers College at West Chester, Pennsylvania, gives training in academic subjects to student nurses from the Chester County Hospital and the Coatesville Hospital. This work constitutes a minor part of the program of the College and does not interfere with the regular program of teacher education.

COLLEGE COMMUNITY ORGANIZATION AND ADMINISTRATION

Based upon the belief that all who share in the advantages of the college community should join in the responsibility of government, a college community has been conceived whereby faculty and students co-operate as fully as possible for the mutual advancement of the college program.

A number of achievement goals for each college year has been set up as tentative guides for a program of college life, subject to constant modification to meet new trends and needs. These goals cover the areas of administration, instruction, student life and personnel, community and service area relationship, and teacher education.

These goals are achieved through councils and standing committees. The Administrative Council is composed of the adminis-

trative officers of the College. The Executive Council is an advisory group of faculty and administrators aiding the President of the College in formulating and executing the general administrative policies of the institution. It is composed of the officers of administration and the heads of departments.

The standing committees represent both faculty interests and faculty-student interests. They are the committees on Admission, Personnel and Guidance, Curriculum Study and Revision, Scholarship, Student Life and Activities, Athletics, and Student Teaching and Placement.

Student Government

Students elect a Student Government Association and Councils, which, working with the deans, cooperate in the government of the College.

Convocations

Weekly convocations are held throughout the year. All full-time students are required to attend. The programs consist of lectures, concerts, recitals, plays, and other events of interest to the students.

All-Star Entertainment Course

An All-Star Entertainment Course brings to the campus each year distinguished lecturers and artists of the highest rank in music, drama, and the dance. These entertainments are available to the students at a very small cost, which is covered by the Student Activity Fee. The College has been greatly aided in this project by the cordial cooperation received from the citizens of West Chester, members of the faculty, and students of the College. These entertainments are held in the Philips Memorial Auditorium. Among the attractions have been Lawrence Tibbett, Marian Anderson, John Charles Thomas, Grace Moore, Bidu Sayao, Helen Traubel, Mario Berini, Alexander Kipnis, Christopher Lynch, Albert Spaulding, Jascha Heifetz, Zino Francescati, Mrs. Franklin D. Roosevelt, Eve Curie, Anne O'Hare McCormick, the Joos Ballet, Svetlova, Paul Draper and Larry Adler, Luboschutz and Nemenoff, Appleton and Field, the Rochester Philharmonic Orchestra, the Cleveland Symphony Orchestra, the National Symphony Orchestra, the Baltimore Symphony Orchestra, the Pittsburgh Symphony Orchestra, Rise Stevens, Columbus Boy Choir, Margaret Webster's Shakespearean Company in *Macbeth*, Igor Gorin, James Melton, Margaret Chase

Smith, Robert Shaw Chorale, the Charles L. Wagner Opera Company in "*The Barber of Seville*", "*Madame Butterfly*", and "*La Boheme*", Philharmonic Piano Quartet, Elcanor Steber, Eva LaGallienne, Patrice Munsel, Little Singers of Paris, Guiseppe Valdengo, Ana Maria Spanish Dance Group, Edgar Ansel Mowrer, Leon Destine, Haitian Dancers with Alphonse Cimber, Drummer, Jennie Tourel, The Scherman Little Symphony Society, Robert Merrill, Yehudi Menuhin, Roberta Peters, Cesare Siepi, Walter Cassell, and Jan Peerce.

Musical Organizations

In conjunction with the regularly scheduled student and faculty recitals, the College Administration has set up the following well-developed musical organizations which contribute to the wealth of fine music on campus:

1. **TWO COLLEGE BANDS: THE CONCERT BAND AND THE MARCHING BAND.**

Membership in these organizations is determined by the student's qualifications regardless of curriculum.

2. **THE CRITERIONS.**

The dance band of the College consists of ten or more men, carefully selected, who furnish the music at social functions of the College.

3. **THE SYMPHONY ORCHESTRA.**

Membership in this organization is determined by the student's qualifications regardless of curriculum.

4. **THE COLLEGE CHOIR.**

A mixed chorus selected from students in the Music Education Curriculum, meeting twice a week, devoting their efforts towards acquiring a fine technique of choral singing through the preparation of an extensive repertoire for performance.

5. **THE WOMEN'S CHORUS.**

All women, not in the College Choir, enrolled in the Music Education curriculum are required to take this course, devoting their efforts primarily towards acquiring the techniques of choral singing.

6. **COLLEGE WOMEN'S GLEE CLUB.**

Members are carefully chosen from women of the Elementary, Secondary, and Health Education groups for this club.

7. **MEN'S CHORUS.**

Members are selected from the men of the Elementary, Secondary, and Health and Physical Education curricula and

joined with the men not in the College Choir for this choral group.

8. THE SINFONIETTA.

The Sinfonietta is a group of about twenty-five outstanding players chosen from the Symphony Orchestra. It was organized to bring before the College and the community compositions written especially for small orchestra.

9. THE MUSIC CLUB AND CHAMBER MUSIC GROUPS.

Membership in these groups is determined by the student's qualifications.

Intercollegiate Athletics

It has become recognized by educators and public alike that athletics is a part of general education because athletic activities provide situations that are akin to life experiences, and as such, are conducted with the purpose of developing the educational values which grow out of them.

With this in mind, the College Administration has set up an organization for the control of athletics; it has provided facilities, built schedules, and furnished instructors for the purpose of filling these educational needs.

Sports such as football, baseball, basketball, soccer, track, wrestling, swimming, tennis, gymnastics, lacrosse, golf, and cross-country, are conducted for the purpose of providing our young men with activities that not only will prove beneficial to their health but also will give them a training which will be valuable when they are called upon to coach these sports.

It is the policy of the College Administration first, to provide a variety of sports, as indicated above, in order that as many young men as possible may participate in the activities which interest them most and in which they may achieve a high degree of personal skill; second, to provide eligibility rules that are just and sensible, yet will insure good scholarship; third, to provide schedules which are in our college class, yet are in keeping with the traditions and standing of our College; fourth, and finally, to give athletics their rightful place in our educational program of preparing teachers so that they will function properly in the life of the student body, but will not assume an importance out of all proportion to their value.

The accident insurance referred to under the section entitled "Student Health Service" has been made compulsory by the College

Board of Trustees for all students who participate in competitive athletics.

The State Teachers College at West Chester is a member of the National Collegiate Athletic Association, the Middle Atlantic States Collegiate Athletic Conference, and a charter member of the Eastern College Athletic Conference. In addition, West Chester conforms to the eligibility standards set by the Board of Presidents of the Pennsylvania State Teachers Colleges.

The athletic program at West Chester provides adequate player and spectator opportunities. Facilities and equipment are of the best. All team coaches are regular members of the faculty.

Intramural Athletics

An athletic program cannot be justified educationally if it is confined to intercollegiate competition alone. There must be provision for all students, so the policy of the College Administration is to expand this part of the program for both men and women, in order that a variety of activities may be supplied for all of our students. Such sports as touch football, swimming, soccer, tennis, track, speed ball, soft ball, and volley ball are organized and conducted for the men students.

Women's Recreation Association

Intramural athletics for women are conducted by the Women's Recreation Association for the social, physical, and recreational benefits of the women students of the College. Its governing council consists of the club officers and sports managers and one faculty adviser. Its program provides a wide range of activities including the modern dance, hockey, archery, volley ball, swimming, lifesaving, tennis, hiking, basketball, softball, badminton, table tennis, and bowling. In addition the W.R.A. sponsors recreational evenings when both men and women students have opportunity to participate in a social dancing class, to engage in roller skating, and to join in folk and old-fashioned square dancing.

Student Health Service

The Board of Trustees has authorized and sponsored the establishment of a Student Health Service at the College. The purpose of this Health Service is two-fold: first, to safeguard the health of the student while in college; and second, to develop in prospective teachers an awareness of proper scientific health habits and attitudes.

All students are required to undergo a complete physical examination at the College at the beginning of each academic year. All

freshmen and seniors must, in addition, have chest X-Rays. *It is the responsibility of the student to report for this examination at the time and place announced by the College.*

The College maintains a modern and efficient infirmary with attending physician and two graduate nurses. Students are urged to avail themselves of the facilities of the Student Health Service and to be individually responsible for preserving the general good health of the college group.

Students are advised that first treatment is provided without charge. After the initial office consultation and first aid treatment, subsequent treatments will be given by, or under, the advice of a physician of the student's choice. All expenses for medicine and treatment by the physician of the student's choice will be borne by the student. The physician of the student's choice may attend the patient at the Infirmary.

In case of serious illness, a student will:

1. Be removed to one of the two local hospitals after notification of the parents or guardian,* or
2. Be hospitalized at the Infirmary under the care of special nurses whose charges will be paid by the student or responsible person, or
3. Be removed by parents or guardian to his home and be attended by private physician until recovery is complete.

Parents are advised that family medical and accident insurance policies, in most cases, do not provide coverage beyond the age of eighteen years. Therefore, it is strongly urged to consult with an experienced insurance company representative to provide your son or daughter with adequate coverage while enrolled at West Chester.

Placement Service

The State Teachers College at West Chester maintains an active Education Placement Service. The Placement Director has general charge of the service. He is assisted in this work by the heads of the special curricula and by the Committee on Placement composed of the Dean of Instruction and Supervisors of Student Teaching.

Members of school boards, superintendents, supervising principals, and others in need of teachers, are requested to make application to the Placement Director as early as possible. The Placement Service is in position to send out thorough and adequate

* The College will not assume financial obligations for hospitalization or emergency operations that must be performed on students when recommended by the College Physician.

information concerning each of the graduates of the College. This material is available to any school official who desires the information in connection with an application made by one of our graduates. The information covers scholastic standing, a comprehensive evaluation of the individual's student teaching experience, and general evaluations of personality, character, competency, and professional potentialities by members of the individual's major and minor departments together with a definite statement compiled by the graduate himself.

Graduates of the State Teachers College at West Chester are asked to keep in touch with the Placement Director in order that they may be recommended for better positions demanding experience. Graduates are also asked to keep the office informed of vacancies so that these positions, in turn, may be brought to the attention of teachers not placed.

The Pennsylvania Regional Film Library

The College operates a film library service for the schools in the service area surrounding West Chester. The service includes rental of films, film-strips, and projection equipment. All schools and church organizations in Bucks, Chester, Delaware and Montgomery counties are eligible for these services.

The library was established through the State Department of Public Instruction early in the spring of 1951. It maintains some three hundred titles on 16 mm. motion picture film and nearly seven hundred titles on filmstrip. The majority of titles deal with vocational and industrial subjects.

Further information can be had by correspondence with: The Pennsylvania Regional Film Library, State Teachers College, West Chester, Pa.

Classification of Students

Students in the College are classified according to the number of semester hours of credit which they have earned:

Freshmen	31 credits or less
Sophomores	32-63 credits inclusive
Juniors	64-95 credits inclusive
Seniors	96 credits or more
Special	Those who are not working on a degree program or are so classified for other reasons.

Marking System

The marking system now in effect at the West Chester State Teachers College is as follows:

<i>Mark—Interpretation</i>	<i>Percentage Equivalents</i>	<i>Quality Points</i>
A—Excellent	A—93-100	3
B—Superior	B—85- 92	2
C—Average	C—77- 84	1
D—Passing	D—70- 76	0
F—Failure	F—69 or lower	—1
I—Incomplete (See “Provisions”.)		
WF—Withdrew Failing		
WP—Withdrew Passing		

PERCENTAGE EQUIVALENTS

For those who prefer to think of the marking in terms of figures, it has been determined that each letter represents the range of per cents shown in the second column.

QUALITY POINTS:

The quality points indicated in the third column are allowed for each semester hour of work. Thus, the number of quality points earned in a three-credit course with a mark of “A” equals 3 (the number of credits) times 3 (the number of quality points allowed for an “A”) or 9. Quality points are used to determine averages.

EXPLANATION:

The marking system provides that a “C” be interpreted as the average accomplishment; a “B” as accomplishment superior to the average, and an “A” very superior or exceptional work. A mark of “D” represents accomplishment inferior to the average and indicates the lowest type of work that will be accepted as of passing grade. An “F” represents that accomplishment wherein the quality of work done by a student is below that represented by a “D” or 70 per cent. A mark of “F” implies that the course must be repeated by the student.

PROVISIONS:

If because of personal illness certified by a physician or other reasons approved by the College Absence Committee, a student is not able to meet the requirements of a course at the close of a semester, a mark of “I” may be assigned by the instructor. This

mark indicates that the work is incomplete. This work must be completed satisfactorily by the end of the ninth week of the semester following the giving of the mark. Failure to meet this requirement will result in the "I" grade being changed to an "F" on the permanent record card. In no case, is a student given a mark of "I" in any course when the cause of incomplete work is irregular attendance, negligence, unexcused absence from final examination, or inability to do college grade work.

When a student fails a course by a margin so close that the instructor believes that a re-examination is justified, the student may be marked "E". In all cases where an "E" is assigned, the student must take the re-examination by the end of the ninth week of the semester following the giving of this mark. The final mark for an "E" (re-examination privilege) cannot exceed a "D". Failure to meet this requirement will result in the "E" being changed to an "F" on the permanent record card.

A student may withdraw from, or drop, a course during the first two weeks of a semester by obtaining a "Drop Schedule" signed by the Dean of Instruction. No notation of this course will appear on the student's permanent record.

A student may withdraw from, or drop, a course after two weeks of a semester by obtaining a "Drop Schedule" signed by the Dean of Instruction. The instructor of the course will signify in writing to the Office of the Dean of Instruction that the student is "passing" or "failing" at the time of withdrawal. If "passing", the permanent record card will carry the notation "WP" (withdrew passing); if failing, "WF" (withdrew failing) will be recorded.

Reports to Parents

The office of the Dean of Instruction will mail a report of each student's marks to his parents or guardian after the close of each semester.

Dean's List

The Dean's List is issued after the close of each semester and contains the names of those students who have earned an average of "B" or higher for the semester.

Honor Roll

The Honor Roll contains the names of those students who for the first seven semesters have maintained a record of "B" or higher.

Scholarship Requirements

A student admitted to the State Teachers College at West Chester must show that he has capacity to do academic and professional work of college grade and that he is in accord with the ideals of teacher education.

Students who earn a quality point average of less than 1.00 (C) during a semester will automatically be placed on academic probation for the following semester in which they are in attendance.

Students who earn a quality point average of less than 1.00 (C) during a period of academic probation will be subject to dismissal from the College.

Full-time students (those who carry 14 semester hours of credit or more) who do not pass at least ten semester hours of work during a semester, will be dismissed from the College.

Student Teaching

Student teaching is to be taken in the seventh or eighth semester and normally culminates the professional experience in preservice preparation for teaching. Students should file applications for admission to student teaching during the spring semester of their junior year.

To be eligible for student teaching, candidates must have senior standing (96 semester hours) and a quality point average of 1.00 (C) or higher.

Applications for admission to student teaching are reviewed by the department or departments in which the applicant wishes to secure certification, by the College Supervisor of Student Teaching, by the Dean of Instruction, and by the Director of Student Teaching.

Remedial Instruction

New students whose records are low on the Classification Tests which are administered to all incoming students may be required to carry fewer semester hours of credit than a normal class load and may be required to attend without credit remedial classes in English and/or Reading.

Resident Credit Requirement

A minimum of 30 semester hours of resident credits is required for graduation from a degree curriculum. Graduates of a two-year normal school curriculum are required to earn at least 30 semester hours of additional resident credits to be eligible for a degree. Resi-

dent credits may be earned in day, evening, and Saturday classes which are offered on campus.

Class and Convocation Attendance

Regular and punctual attendance at classes and convocations is considered essential to sound scholarship and good campus citizenship. Upon enrolling in the College each student is supplied with a student handbook which contains a statement of the absence policy. Enrollment in the College implies agreement on the part of the student to conform with its provisions.

Withdrawals From College

The student should notify the Dean of Instruction, in writing, stating the reason for his intention of withdrawal from the College.

Should a student fail to comply with this requirement, the administration will, after ten days of unexplained absence, declare the student not a member of the College. The date on which his connection with the College terminates will be the day on which he last attended classes.

When a student discontinues his work at the College, either for illness or any other reason, he must notify the Dean of Instruction as soon as possible, otherwise he will receive marks of "F" in each of his courses on his permanent record card. This will result in difficulty in re-entering the College or in securing admission to another institution.

Transcripts

Applications for official transcripts should be made to the Office of the Dean of Instruction.

There is a fee of one dollar for the second and each subsequent transcript. Checks must accompany requests and should be made payable to the Commonwealth of Pennsylvania.

Names and addresses to whom transcripts are to be mailed should be included with applications.

Dismissals from College

Administrative officers and the student councils may make recommendations to the President for suspension and dismissal. No student shall be suspended or dismissed from the College except upon the approval of the President.

Students dismissed or asked to withdraw for academic reasons will not be considered for readmission for at least *one calendar year*, and then will be considered only if they have produced evidence of

acceptable accomplishment. Details may be secured from the Director of Admissions.

Student Class Load

The regular student class load is 15-17 hours of credit per semester. To carry more or less than this number, a student must secure the approval of the Dean of Instruction.

Full-time Students

Full-time students are not permitted to carry less than 14 semester hours of credit.

Notice of Anticipation of Graduation

It is the responsibility of the student to report to the Office of the Dean of Instruction at least three months before the date of his anticipated graduation. It is the student's responsibility to see that his name is placed upon the list of prospective graduates, and to indicate at that time the way his name should appear on the diploma. If he fails to do this, his graduation will be postponed until the next regular commencement.

Graduation

A student will be recommended for graduation when all the requirements for his curriculum have been met. Diplomas will not be issued until all bills and obligations to the College have been met.

The Alumni

The West Chester State Teachers College alumni number over twelve thousand, and their devotion to the College is marked. The annual meeting held at the College just before commencement is well attended and active branch organizations hold meetings at the following places: Allentown, Atlantic City, Bethlehem, New York City, Pottsville, Reading, and York. The Tri-County organization consists of graduates living in Delaware County, Montgomery County, and Philadelphia.

ADMISSION TO THE COLLEGE

Students who expect to attend college should take the college preparatory or academic course in high school. By completing such a course with good marks, an adequate background for college work will be obtained. Technically, students who graduate from other curricula may qualify for admission to West Chester if their records are good, but certain deficiencies will exist in their preparation which will require more time and greater effort to overcome while a student in college.

1. Students will be admitted to the College on the basis of satisfactorily meeting the following requirements:
 - A. General scholarship as evidenced by graduation from an approved secondary school, or equivalent preparation as determined by the Credentials Evaluation Division of the Pennsylvania Department of Public Instruction;
 - B. All candidates for admission to West Chester State Teachers College must take the Scholastic Aptitude Test and the English Composition Test of the College Entrance Examination Board.

Students who apply for admission to the Secondary Education Curriculum must also take the Achievement Test corresponding to the student's intended first teaching field (major field). Secondary Education applicants are urged to take a second achievement test corresponding to their choice of second teaching field (minor field).

Applicants for admission to the Elementary Education, Health and Physical Education, and Music Education curricula are urged to take one achievement test of their own choosing in addition to the required English Composition Test.

The Scholastic Aptitude Test (morning test) may be taken in December, January, February, or March of the senior year in high school; the Achievement Tests (afternoon tests) are offered in December and March. All tests are also offered in May and August, but applicants who take the tests not later than March will be given preference in admission.

The first step to be taken by the student is to write for the Bulletin of Information, obtainable without charge from the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey. It contains rules and information regarding application, fees, reports, and the conduct of the tests; lists of examination centers; and an application blank. Separate booklets describing the tests and giving sample questions and answers will be sent to each registered candidate at no additional cost.

- C. Satisfactory character and personality traits as well as proper attitudes and interests as determined by the high school principal, guidance director, or other school official acquainted with the student;
- D. Good health and physical condition as evidenced by a health examination by the student's family physician reported on a form supplied by the College. No student shall be admitted who has, in the opinion of the College, disabilities which would impair his service as a teacher. Applicants may be rejected for the following reasons:
 - (1) incurable defects or diseases as of the heart, lungs, kidneys, digestive system, nervous system (including hysteria, epilepsy, nervous instability), skin, organs of the special senses, thyroid;
 - (2) defective vision of marked degree;
 - (3) permanently impaired hearing;
 - (4) marked speech defects;
 - (5) unsightly deformities;
 - (6) marked obesity.Students with remedial defects may be accepted on condition that immediate treatment be undertaken for removal of these defects;
- E. Recommendations of two or more college staff members following a personal interview with the applicant. Particular attention will be paid to personality, speech habits, social presence, expressed interests, and promise of professional development;
- F. In addition to the College Board Tests, a student desiring admission to the Music Education curriculum must pass

the Music Qualifying Tests offered by the Department. (See III below) ;

G. For admission to the Health Education Curriculum a student must meet the conditions stated in IV below.

- II. Foreign languages and science are not required for admission, but are recommended for those who elect them as areas of specialization in college.

To elect Mathematics in College, students must present three high school units of mathematics including algebra and plane geometry.

- III. Special requirements for admission to the Music Education Curriculum.

Special attention will be given to the promise of professional development and musical ability of the candidate as shown by:

- A. The ability to sing songs with acceptable voice and interpretation;
- B. The ability to sing hymns and folk tunes at sight with a fair degree of accuracy and facility;
- C. Applicants whose major instrument is piano must give evidence of mastery of fourth grade material;
- D. Applicants whose major instrument is other than piano must give evidence of mastery of second grade material, or, lacking this requirement, should demonstrate sufficient musical ability to remedy this deficiency.

NOTE: The abilities, as stated above, will be determined by special tests* in sight singing, ear training, voice, piano, and musical instruments.

- IV. Special requirements for admission to the Health and Physical Education Curriculum.

The student must have participated in both the required physical education program and the extra curricular athletic program of his secondary school. The extent of participation in the latter will be judged upon the student's interest, aptitude, and growth in skills and knowledge of these areas.

* These tests are administered at stated times during the year. Candidates will be notified by the Director of Admissions when to come to the College for the tests.

- V. A student must be a citizen of the United States to be eligible for a teacher's certificate in Pennsylvania.

Evidence of Character

All applicants for admission shall present evidence of good moral character and ideals characteristic of the teaching service.

Evaluation of Credentials

Credentials of all students entering the State Teachers College on the basis of an approved secondary school preparation are evaluated by College officials; students not having an approved preparation or students whose preparation is irregular, shall have their credentials evaluated by the Credentials Evaluation Division, Department of Public Instruction, Harrisburg, Pa.

Evaluation of credits at the College cannot be made on registration days. This should be attended to prior to that time.

Application for Admission

High school seniors who desire to enroll for a semester beginning in September should make application by filling in the Preliminary Application blank found at the back of this catalogue and sending it to the Director of Admissions in September of the previous year or as soon thereafter as possible. Complete application forms and instructions will be mailed to all persons who file a Preliminary Application. The Director of Admissions will continue to accept applications for admission, College facilities permitting, throughout the winter, spring, and summer months of the year in which admission is desired.

A student who desires to enroll for a semester beginning in January should make application about October 1 but not later than December 10 by filling in the Preliminary Application blank found at the back of this catalogue and sending it to the Director of Admissions. Complete application forms and instructions will be mailed upon receipt of the Preliminary Application.

Readmission of Former Students

Students who have attended West Chester State Teachers College and who have withdrawn for acceptable reasons may direct a request to the Admissions Office for an "Application for Readmission." Those who have attended any institutions of higher learning since leaving West Chester must request such institutions to forward transcripts of their record to the Director of Admissions at West Chester.



FRANCIS HARVEY GREEN LIBRARY

Students who were dismissed or asked to withdraw for academic reasons will not be considered for readmission for at least *one calendar year*, and then will be considered only if they produce evidence of acceptable accomplishment. Details may be secured from the Director of Admissions.

Admission of Special Students

Graduates of other colleges who wish to complete the requirements for a teacher's certificate may apply for admission as special students. Application forms and information may be secured from the Director of Admissions.

Admission of Students with Advanced Standing

APPLICATION.

Application forms and information for transfer students may be secured from the Admissions Office.

Students who have been dismissed or who have withdrawn from another college or university with a below average academic record will *not* be considered for admission to West Chester State Teachers College for at least *one calendar year*, and then will be considered *only if they produce evidence of acceptable accomplishment*. Details may be secured from the Director of Admissions.

RECORD OF PREVIOUS WORK.

Students who have attended other institutions of collegiate rank shall request each institution attended to send an official transcript of work directly to the Director of Admissions of the College.

To be acceptable, transcripts of work done at other colleges or universities must show an honorable dismissal of the student. Persons who have been placed on academic probation at another college or university and those who have been dismissed from other institutions are not eligible for admission to West Chester State Teachers College.

ADVANCED CREDIT.

Advanced credit may be granted for equivalent courses in accredited institutions of collegiate grade, but no student may be graduated without earning a minimum of 30 semester hours of credit on campus.

Courses offered for transfer of credits will not be accepted if the grades for those courses are the lowest passing grades of the institution assigning them. If "D" is the lowest passing grade, courses so

graded will not be accepted. If 70 is the lowest passing grade, no course will be accepted which is passed with a grade under 75.

INFORMATION FOR VETERANS

The West Chester State Teachers College has been approved by the Veterans Administration for training of veterans.

Veterans apply for admission in the regular manner and must meet the College admission requirements.

All new students who are eligible to enter with veterans' benefits should apply to the Veterans Administration office for official Certificates or Supplemental Certificates of Entitlement. This should be done as soon as an official notice of admission has been received.

If a veteran does not have his official letter of entitlement at the time of registration, he should be prepared to meet the financial requirements of the College so that he may complete his registration pending the arrival of his official letter.

The Dean of Instruction is the Veteran's Co-ordinator at the College.

SELECTIVE SERVICE INFORMATION

The Dean of Instruction is the College adviser on Selective Service. Students wishing advice on this subject should apply at his office in the Philips Memorial Building.

A student seeking deferment in order to continue his college career should request the office of the Dean of Instruction to submit the proper information to the student's local Selective Service Board.

STUDENT LIFE

Classification of Students

1. *Resident Students.* Resident students are of two types:
 - a. *Dormitory Students*—those who live in a college dormitory and take their meals in the College dining room. All dormitory students are required to eat in the College dining room.
 - b. *Off-Campus Students*—those who live in an approved off-campus residence and are required to take their meals in the College dining room.
2. *Day (Commuting) Students* are those who live at the home of their parents or legal guardians and commute daily to and from the College. Those driving cars must register with the Dean of Men.

3. *Home Employment Students* are those who, with the permission of the Dean of Women (for women) or the Director of Personnel, (for men), work for their room and board in approved homes in the community of West Chester.

4. *Special Students* are those who do not qualify in any of the above classifications. They must have the approval of the respective Deans for their living arrangements.

The classification of students is determined by the Deans of Women and Men. These deans advise on the living conditions of all students.

Resident Students are required to eat in the College dining room. The President of the College may approve exceptions to this rule in very rare cases.

Application for permission to eat out of the College dining room must be filed in the office of the President of the College two weeks before the opening of each semester. The College Health Service will review each application based on a health condition when the family physician has submitted a detailed diagnosis with a laboratory report such as blood count, urinalysis, and basal metabolism test.*

Any student granted permission to eat out of the College dining room may be required to live in an approved off-campus house.

Housing

The College has 286 rooms for women and 165 rooms for men in the respective dormitories. Rooms are provided in private homes for *Off-Campus Students*. These rooms are inspected and approved by the Dean of Men. *Off-Campus Students* are under the same college regulations as dormitory students.

Students who live in the college dormitories are provided with bed linens and counterpanes. All other bed furnishings and toilet necessities are provided by the students.

The College cannot provide housing or apartments for veterans and their families. It is the responsibility of the individual to secure housing facilities prior to registration day. It is usually possible for veterans to obtain apartments by contacting real estate agents or brokers in West Chester.

* The College Infirmary must be furnished with a diet list prepared and signed by the family physician. This list should be made out in duplicate, one copy to be kept at the eating place of the student's choice and the other copy to be placed on file at the Infirmary.

Regulations Concerning Dormitory Students

A student who accepts an assignment in any college dormitory at the beginning of a semester or session will be responsible for the payment of the room rent fee for the entire semester or session. Exceptions will be made only in cases of personal illness, the same being certified by an attending physician, or for such other reasons as may be approved by the President of the College and the Board of Trustees. A student admitted to a college dormitory after a semester or session begins will be responsible for the payment of the room rent fee for the balance of the semester or session on a prorated basis.

Regulations Concerning Dormitory Guests

A dormitory student is permitted to have an overnight guest **ONLY** when such a guest **HAS BEEN REGISTERED WITH AND APPROVED BY** the Dean of Women, in the case of women students, or the Dean of Men, in the case of men students. A charge of 50c per night is required for each guest. Students to whom rooms have been assigned will be **RESPONSIBLE INDIVIDUALLY FOR THE OBSERVATION OF THIS REGULATION.**

Student Automobile Regulations

Resident students who have valid reasons within the existing College Automobile Regulations, may maintain and operate automobiles on campus, providing they apply for and obtain permission from the Dean of Men prior to bringing automobiles on campus.

Commuting students will be granted permission, upon application to the Dean of Men, to drive automobiles to and from the College daily.

Laundry

The laundry of *Dormitory Students only*—to the extent of twelve pieces per week—is done in the College Laundry. All pieces sent to the laundry must be plainly marked with the owner's name. Name tapes sewed on articles of clothing constitute the best identification. A laundry bag should be owned and used by every student.

College Book Store

The College Book Store carries, in addition to books, a complete line of student necessities. This book store is operated as a student enterprise, the net profits of which accrue to the benefit of the Student Activities Association.

EXTRA-CURRICULAR ACTIVITIES

The developing of the extra-curricular program, fitting it to the needs of the students, and co-ordinating its various phases into the whole of college living is the responsibility of the Director of Personnel. Questions of policy and regulations, the evaluating of the objectives of an activity, and other problems are acted upon by a committee composed of faculty and students.

The program of extra-curricular activities at West Chester emphasizes four types of activities leading to individual and group development. The various clubs, organizations, activities, and responsibilities are grouped under one of four headings according to type of development emphasized. The following indicates the four types together with some of the activities included in each phase:

- Type A: Activities that center around college group life; activities of college community government and living, such as: Student Activities Association Executive Board, Student Councils, Class Committees, Epicurean Club, Quad Angles, Student-Faculty Committees, Serpentine, Press Board, Little Theatre.
- Type B: Activities that promote better professional development—that train for sponsorship and organization of “extra-class” programs in the public schools. The various departments of the College sponsor professional clubs, such as: Association of Childhood Education, English, French, Geography, Mathematics, Music, Social Studies, Science, men’s and women’s sports activities for health and physical education students.
- Type C: Activities that promote finer ethical values. These groups have organized a Council of Religious Clubs that plans for a unified program for the year as well as emphasizes ethical action as a united front; it is through united effort in this area that we may raise the standards of honor and character on the campus. The organizations in this group are: Bible Study Club, Hillel Foundation, Newman Club, and Student Christian Association.
- Type D: Activities that satisfy individual interests. These activities are those of hobby groups and include a long list, such as: art, athletics, glee clubs, photography, phonograph, nature study, orchestra, etc.

Extra-Curricular Requirements for Students

Each student is required to participate in the activities of a club for one semester of each of the four years on campus. The Extra-Curricular Activities Committee and the Personnel Department ask the co-operation of the students in taking advantage of the varied types of extra-curricular activities that are offered. In order to receive credit for participation in extra-curricular activities it is necessary to meet the minimum attendance requirement and to actively take part in the activities of the club or organization.

No student is permitted to hold more than one office in one semester. It is hoped that in this way it may be possible to spread opportunity and divide responsibility, thus develop leaders and discover latent abilities as well as continue to enjoy the services of those who are naturally inclined to direct affairs.

Students are urged to take into account the fact that their extra-curricular participation often has an important bearing upon their placement when seeking positions. Students should keep in mind not only the placement value of their extra-curricular program but also its cultural value.

PUBLICATIONS

QUAD ANGLES, the student newspaper, is published by an undergraduate staff. Positions in the organization are open to any member of the student body with reporting or editing ability. A faculty member serves as adviser.

THE SERPENTINE is the college yearbook published under the direction of the Senior Class. This record of college activities is edited by a student staff with a faculty adviser.

THE RAM'S HORN is a publication of the Varsity Club produced on the occasion of each home game of the football season. The staff is made up from the undergraduate body of the College aided by a faculty adviser.

THE HANDBOOK is published each year as an aid to incoming freshmen. It is prepared by a student staff with the advice of a faculty sponsor.

SCHOLARSHIPS

The College does not have scholarships to offer incoming students. Scholarships in the form of financial aid which students receive from other sources may be used at West Chester.

The following scholarships are available to West Chester students who qualify for them:

William Pyle Philips Scholarships

The William Pyle Philips full tuition (basic fee) scholarships are available to junior and senior students. To be eligible for these scholarships, *students must have been born in Chester County and must have lived there all their lives.* There are 40 to 50 scholarships awarded each year, the beneficiaries of which are selected on the basis of scholastic ability and citizenship.

The Samuel Martin Scholarship Bequest

This is a fund which was left by the will of Mr. Samuel Martin "to be used to defray part of the expenses of persons of limited means who are preparing to teach . . . Persons who are assisted shall preferably be educated at the West Chester Normal School" (now State Teachers College). "Children of Friends, or persons in sympathy with Friends, are preferred". Persons wishing to obtain the benefits of this fund will inform Elbert N. Pusey, Esquire, 30 West Market Street, West Chester, Pennsylvania.

The Sarah H. Mellor Scholarship Fund of the Chester County Council of Parent-Teacher Associations

Mrs. Sarah H. Mellor was associated with the State Teachers College at West Chester as student, teacher, and member of the Board of Trustees. Her interest in education in general, in children, and in youth found expression in her devotion to the work of the Parent-Teacher Associations, especially those in Chester County. It was, therefore, most fitting that the Chester County Council of Parent-Teacher Associations memorialize her through this scholarship. A Joint Committee from the Chester County Council of PTA and the College makes the award annually to a Chester County student who is in attendance at the State Teachers College. This award of \$100. each year is based upon the need, personality, character, and scholastic ability of the student.

Hannah Kent Schoff Memorial Scholarships

The Pennsylvania Congress of Parents and Teachers, believing that there is great value in offering financial aid to worthy students

who are preparing for the teaching field, for many years has maintained a memorial loan fund in honor of its first president, Mrs. Hannah Kent Schoff. In 1957 this loan fund became the Hannah Kent Schoff Memorial Scholarship Fund. Outstanding students are recommended by their high schools and may become candidates for these scholarships to Pennsylvania State Teachers Colleges. Each scholarship is an outright grant of \$150 per year, or \$600 for the four years. The money is paid directly to the college and is applied to the student's account. These scholarships are valid only at the fourteen Pennsylvania State Teachers Colleges. Application forms, which should be secured from the High School Guidance Counselor, must be filed with the State Teachers College of the applicant's choice before March 1st.

The David M. Sensenig Memorial Scholarship

In memory of Dr. David M. Sensenig, who was Head of the Mathematics Department of the Normal School from 1895 until 1908, a scholarship is awarded annually to two juniors or seniors who have shown outstanding ability and achievement in Mathematics. The award is a \$50 United States savings bond.

The Robert W. Burt Scholarship

Robert W. Burt, a graduate of the West Chester State Teachers College in 1943, has established a scholarship in the amount of \$150. to be awarded yearly to students at the College who have demonstrated good character, good citizenship, and who maintain an academic standing acceptable to the College. One-third of the amount is to be given to a student who is majoring in history, one-third to a student majoring in geography, and one-third to a needy student in any field. A Committee composed of one faculty member from the History Department, one member from the Geography Department, one member from the general faculty, the Personnel Director, and the President of the College, acting as ex officio member, recommends the recipients of these scholarships.

Kift-Mullen Memorial Scholarship for Future Teachers

The scholarship has been inaugurated by the Robert L. Kift-Thomas R. Mullen, Jr. Memorial Fund, Inc., provided for by the Lehigh Structural Steel Company, Allentown, Pennsylvania. To apply for this scholarship, students must be either juniors or seniors and must be graduates of Allentown High School or Allentown Central Catholic High School. The amount of the scholarship is \$200. per year.

The Theodore Presser Foundation Scholarship

A scholarship for music students is awarded by the Music Department, with the approval of the President of the College. The amount granted totals \$250. yearly, as approved by the Board of Trustees of the Presser Foundation. This award was first granted to West Chester in 1929 and is available to juniors and seniors in the music curriculum.

Music Department Scholarship of the General Student Fund

Three scholarships, each in the amount of \$60, are awarded during the sophomore year to sophomore music education students. College citizenship and performance in the area of applied music are the factors considered in making this award.

SICO Scholarships

The SICO Company of Mount Joy, Pennsylvania, has established three scholarships of \$300 each year for students who are to enter the State Teachers College at West Chester in the field of Elementary Education. The applicants for these scholarships must have legal residence in Chester, Berks, Cumberland, Dauphin, Lancaster, Lebanon or York Counties, or the State of Delaware, and must apply for the scholarship in their senior year of high school through the high school principal. The scholarships are awarded on the basis of competitive examinations that are held at the college in March of each year.

Friars Memorial Scholarship

This scholarship is in memory of all those West Chester men who lost their lives in World War II. The amount of the scholarship is \$100. awarded annually to the junior male student who has been selected on the basis of (1) high academic standing, (2) definite need, and (3) his contribution academically, socially, or athletically to the development and improvement of the College.

Valkyrie Club Scholarship

The scholarship, which amounts to \$100. per year, is awarded to a member of the Valkyrie Club in her junior year and is to be applied to the payment of college expenses. The award is made on the basis of academic scholarship, need, and service to the Club.

York County Alumni Club Award

The members of this organization have established the Elsie O. Bull Scholarship fund to be awarded each year by a Special Com-

mittee of Awards to a person from York County who is attending, or will attend, the State Teachers College at West Chester. The award is made on the basis of the need, ability, and achievement of the student considered.

Schuylkill County Alumni Club Award

A fund has been created by this group, to be awarded each year by the Scholarship Committee of the Club, to a person from Schuylkill County who is attending the State Teachers College at West Chester. Need, ability, and promise are the prerequisites necessary for consideration.

Bethlehem Alumni Club Scholarship

The Bethlehem Alumni Club has set up a scholarship amounting to \$125. per year, which is awarded to a student from the Bethlehem High School or the Bethlehem Catholic High School. This award is made directly to a senior in the above mentioned high schools by the Alumni Club.

Scholarship Awarded by the Delaware County Federation of Junior Women's Clubs

A fund has been created by this group to be awarded by the Scholarship Committee of the Club to one or more upperclassmen from Delaware County who are in attendance at the State Teachers College at West Chester. The amount of this award varies but averages over \$100. a year.

State Department Scholarship

The State Department of Public Instruction offers a scholarship of \$100. per year for four years to the student earning the highest score in the competitive examinations given in each county. This scholarship may be used at West Chester. If a student is interested in competing for this scholarship, he should apply to his high school principal.

LOANS

The College endeavors to aid needy and deserving students to take advantage of their educational opportunity. A student whose record is satisfactory, both in academic achievement and in respect to personal and community responsibility, may feel that his application for financial aid will receive favorable consideration. Applicants should apply at the Personnel Office for the necessary forms.

There are several Loan Funds from which a student may seek financial assistance. These are listed below.

National Defense Student Loan Fund

The specific purpose of this Government Loan Program, established under the National Defense Education Act of 1958, is "to stimulate and assist in the establishment at institutions of higher education of funds for the making of low-interest loans to students *in need* thereof to pursue their courses of study in such institutions." While making these loans available to needy students in *any* field of study, the Act specifies that "in the selection of students to receive loans . . . special consideration shall be given to (a) students with a superior academic background who express a desire to teach in elementary or secondary schools, and (b) students whose academic background indicates a superior capacity or preparation in science, mathematics, engineering, or a modern foreign language." Further information concerning these loans, as well as application forms, may be secured from Mr. Emil Messikomer, Institutional Representative for this Loan Fund.

Alumni Loan Fund

This is a fund which was created by the Alumni Association to aid needy students in their junior and senior years. The maximum loan is \$100. per year. These loans must be used exclusively for college expenses. Applicants must be good students and in need of this loan to continue their college education. Legal security is required. No interest is charged. Repayments begin at the rate of \$15. monthly after graduation.

Student Loan Fund

Emergency loans are made from this fund which must be repaid within a year. The maximum amount loaned to any one student is \$50. For such a loan, application forms may be secured at the Personnel Office.

The Student Activities Association Loan Fund

The Student Activities Association, a student organization on the College Campus, has set aside \$4000. as a fund to assist needy students through loans. Each application is decided upon its own merits by a Committee. Application forms may be secured at the Personnel Office.

Viola Marple Scholarship Loan Fund

In accordance with the will of Miss Viola Marple, former teacher in the English Department at the Normal School, two scholar-

ship loan funds were established for the education of two deserving young women in need of financial aid, "whose whole record of ability, scholarship, and Protestant Christian character gives evidence of fitness for teaching and promise for future usefulness; the said loan to be made to such students each year as may be selected by the President and the English faculty". Renewal of any loan may be granted if the scholastic conditions are maintained. The award-ees are required to sign promissory notes which will bear no interest, but will be payable after graduation.

B'nai B'rith Loan Fund

The Alan Kodish Lodge of B'nai B'rith, West Chester, Pennsylvania, has established a loan fund for needy and deserving students, whereby short term loans may be made up to \$100. This loan is available to any student who is doing satisfactory academic work and who needs additional funds to continue his college education.

For further information on any of the above listed loan funds, students should consult the Personnel Director.

STUDENT EMPLOYMENT

Applications for the various types of student employment are accepted after May 1 of each year. Appointments for the year are made about July 1. Applications must be renewed each year.

Student Help Assistants

The College employs a limited number of students as helpers in some of the departments of the College; for example, the library, laboratories, and offices. Positions pay seventy cents an hour, the amount earned depending upon the number of hours employed during a month. Part-time positions require twenty-five hours work per month and pay \$157. for the year; full-time positions require fifty hours work each month and pay \$315. for the year. Most of these jobs require some special form of training or skill. The money earned must be used exclusively for college expenses and is available primarily for those who could not otherwise attend college.

Student Waiters

The College employs each year a number of men students as waiters for its dining hall. Students thus employed are paid on an hourly basis and may earn from \$200. to \$315. for the year. Such positions are primarily available for those who could not otherwise

go to college. The money thus earned must be used exclusively for college expenses.

Part Time and Odd Jobs

The Personnel Office offers to assist students who wish to earn money toward their college expenses. Students may register for such part time work or odd job work as may come to this office from the campus or community. While the Personnel Office makes every effort to obtain places for those who wish employment, it advises against depending upon this source for any regular income. The opportunities range from a few dollars to nearly \$200. for the college year. Students who enter college with training in some special field are able to earn more than those with little or no training.

EXPENSES

A. FEES*

1. For Students Who Are Legal Residents of Pennsylvania—

**A. Fees for each *full-time* student are charged EACH SEMESTER as follows:

Curriculum	Basic Fee†	Special Curriculum Fee	Total*
Elementary Education ----	\$100.	---	\$100.
Secondary Education -----	\$100.	---	\$100.
Health and			
Physical Education -----	\$100.	\$18.	\$118.
Music Education -----	\$100.	\$45.	\$145.

B. Part-time Campus Students (students taking six semester hours or less)

(1) Basic Fee—\$11. per semester hour (minimum basic fee \$33.)

(2) Special Curriculum Fee—same as for full-time students prorated on the basis of eighteen semester hours.

C. Off-Campus Extension Students

(1) Basic Fee—\$11. per semester hour (minimum basic fee \$33.)

(2) Special Curriculum Fee—same as for full-time students prorated on the basis of eighteen semester hours.

D. The President of the College may, at his discretion, authorize payments for not less than one month in advance by worthy students.

2. For Students Other Than Legal Residents of Pennsylvania

A. Full-time Students*

(1) Basic Fee† — \$100. per semester

(2) Out-of-state tuition fee—\$168. per semester

(3) Special Curriculum Fee

(a) Health and Physical Education—\$18. per semester

(b) Music Education—\$45. per semester

B. Part-time Campus Students, Off-Campus Extension Students, and Summer Session Students—

(1) Basic Fee—\$15. per semester hour (minimum basic fee \$45.)

* FEES ARE SUBJECT TO CHANGE WITHOUT NOTICE.
 ** The acceptance of a student is for a semester. Parents or guardians who are providing for the expenses of a student should understand that their financial obligations are for a full semester.
 † This fee covers registration and keeping of records of students, library, student welfare, health service (other than extra nurse and quarantine), and laboratory facilities.

- (2) Special Curriculum Fee—same as for full-time students prorated on the basis of eighteen semester hours.

3. Housing Fee

A. Housing rate for students.

The housing rate for students is \$252. per semester.

This includes room, meals, and limited laundry (for dormitory students only) during the time the College is officially in session (excludes holidays and recesses).

Students must vacate dormitory rooms on the day college recesses begin. Rooms may be occupied after 2:00 P.M. on the day preceding the end of a college recess.

- (1) Official recesses to which this regulation applies are:
 - (a) Thanksgiving—from close of classes to 8:00 A. M. on the day classes resume;
 - (b) Christmas—from close of classes to 8:00 A. M. on the day classes resume;
 - (c) Between semesters—semesters end for freshmen, sophomores, juniors, non-graduating seniors, and special students immediately after their last final examination or student teaching assignment and the recess extends to 8:00 A. M. of the day students are scheduled to register for the next semester;
 - (d) Easter—from close of classes to 8:00 A. M. on the day classes resume.
 - (e) Other official holidays (recesses) to which this regulation applies may be designated by the College Administration.
- (2) An additional charge of \$9. per student will be made each semester for rooms with running water.
- (3) A student may, at the discretion of the President of the College, occupy a double room alone by paying an additional \$36. fee each semester.
- (4) For the purpose of meeting the requirements of those college students who live in off-campus rooming houses but board in the college dining room, the housing rate will be divided \$5. for room and \$9. for table board.
- (5) No reduction in the rates is to be made for the absence of students who go home for a few days at a time, nor for laundry done at home.

(6) Students not living in the college dormitories but living in houses approved by the College will be responsible for their own laundry.

B. Housing rates for employees other than those included in the State Classification Schedule (faculty, clerks, etc.) are \$15. per week, divided \$9. for meals and \$6. for room and laundry.

C. The rate for separate meals is:

Breakfast \$.50	Lunch \$.75	Dinner \$1.00
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Transient lodging fee is \$1. per night per person.

D. The President of the College may, at his discretion, authorize payments for not less than one month in advance by worthy students.

4. **Damage Fee**

Students will be responsible for damages, breakage, loss, or delayed return of college property. The rooms are fully equipped for students at entrance. Any damage done to furniture, furnishings, or buildings beyond that which comes from use, will be charged to students. At the opening of the year all necessary electric lamps are furnished free. Thereafter, students pay for extra light bulbs. If damage results from using appliances other than those provided by the College, a proportionate amount will be charged to all students accountable.

5. **Infirmary Fee**

For minor illness, *boarding students* are charged \$1. for each day after the third day in the College Infirmary. This charge is exclusive of the fees of physicians, the expenses of employing trained nurses, and the cost of medicine, for all of which the students or the parents thereof are responsible. For the first three days no charge is made. In case of serious illness, students are removed to a hospital where they will bear their own expenses.

Day students who are admitted to the Infirmary will pay \$3 per day for infirmary care, including board.

6. **Private Music Instruction Fees**

A. Students enrolled in the Music Education Curriculum do not pay extra fees for private instruction in voice, piano, band, or orchestral instruments that are required in the curriculum.

Such instruction is included in the basic fee. There is no charge for the use of pianos for practice. A rental charge is made for the following:

- (1) Pipe organ for practice one period per day, \$36. each semester.
- (2) Orchestral instruments, \$6. per semester.

B. Charges applicable to students in the Elementary, Secondary, or Health and Physical Education Curriculum.

- (1) Voice, piano, band, or orchestral instruments, \$24. each semester—for one half-hour lesson per week. Pipe organ, \$42. each semester—for one lesson per week.
- (2) Rental of piano for practice, one period per day, \$6. each semester.

Rental of pipe organ for practice, one period per day, \$36. each semester.

Rental of band or orchestral instruments, \$6. each semester.

7. Miscellaneous Fees

A. Diploma Fee

A fee of \$5. must be paid by each candidate for a degree to cover the cost of the diploma.

B. Record Transcript Fee

One dollar (\$1.) will be charged for the second and each subsequent transcript of records.

C. Late Registration Fee and Late Payments

A late registration fee of \$1. per day, not to exceed \$5., will be paid by students who do not register on the appointed registration day, except where pre-approval has been obtained from the President of the College. The same regulations shall apply to approved inter-semester payments.

8. Delinquent Accounts

No student will be enrolled, graduated, or receive a transcript of his record until all charges have been paid.

B. DEPOSITS

Advance Registration Fee For New Students

An initial deposit of ten dollars (\$10.00) toward the advance registration fee must be sent by all applicants with their application. *This fee is not refundable for any reason whatsoever.*

When a student has been approved for admission, he accepts the offer by sending an additional fifteen dollars (\$15.00). This is a guarantee of his intention to enter the College for the term or semester designated *and is also not refundable.*

When a student enrolls at the College, he receives credit for the sum of the advance fees (\$25.00) toward his Basic Fee. If a student does not enroll, he forfeits the entire amount.

Check or money order for these deposits must be drawn to the *Commonwealth of Pennsylvania*. The College is not responsible for currency sent in unregistered letters.

Advance Registration Fee For Upperclassmen

Upon notice by the Business Office, upperclassmen are required to pay an advance registration fee of twenty-five dollars (\$25.00) as a guarantee of their intention to return to College. If this fee is not paid within the stipulated time limit, the student is dropped from the rolls of the College and loses all privileges and priorities that were due him.

If, after paying the advance fee, the student withdraws from the College or does not enroll for the semester or term designated, he forfeits the entire fee.

Check or money order must be drawn to the *Commonwealth of Pennsylvania*.

C. ADDITIONAL COSTS

1. Student Activity Fee

A student activity fee will be collected from all students (except those noted below) and administered under regulations approved by the Board of Trustees through a cooperative organization. This fee will cover the cost of student activities in athletics, lectures, entertainments, student publications, et cetera.

Students taking extension courses or regular session students taking less than five semester hours may secure the benefits of the activities program by the payment of the student activity fee. This fee, as determined and collected by the Student Activities Association of the State Teachers College at West Chester, is \$17.50 for each semester.

2. Books

Each student purchases his own books and supplies. These may be bought at the College Book Store. The cost is approximately \$40. each semester.

3. Gymnasium Outfits

A. Health and Physical Education Students

(1.) All Health and Physical Education men students are required to purchase athletic and gym outfits costing approximately fifteen dollars (\$15.) the first semester, fifteen dollars (\$15.) the third semester, and twenty dollars (\$20.) in the student teaching semester.

(2.) Health and Physical Education women students are required to purchase gym outfits costing approximately thirty dollars (\$30.). This expenditure occurs at the beginning of the first semester.

B. Elementary, Secondary, and Music Students

In the first semester of the freshman year all students other than those registered in the field of Health and Physical Education are required to purchase a regulation gym outfit. For the women students this outfit will include a pair of blue shorts, a white shirt, a white sweat shirt, white socks, and canvas tennis shoes. This regulation outfit may be purchased in the stores of West Chester at an approximate cost of ten dollars (\$10.).

For the men students this regulation outfit includes a pair of white shorts, a white T-shirt, white socks, canvas gym shoes, gray sweat pants, and gray sweat shirt. The approximate cost of this gym outfit is fifteen dollars (\$15.).

4. Swimming Suits

A regulation swimming suit must be purchased by each student using the College pool. The cost for a man's suit is approximately \$2.25. The cost for a woman's suit is approximately \$4.

5. Identification Cards

A charge not exceeding one dollar (\$1.00) will be made for Student Identification Cards on the day of registration. Identification cards are used to admit students to college functions sponsored by the Student Activities Association and to the College dining room. Identification cards show each student's photograph, personal data, and rules pertaining to their use. Lost identification cards will be replaced at a cost of two dollars and fifty cents (\$2.50).

6. Dues

Each student will pay either a Day Student or Dormitory Council fee of nominal amount which currently is fifty cents (\$.50) per year.

7. Class Dues

Class dues constitute an obligation which every student assumes upon admission to the College and must be paid at the time of registration.

Class dues are determined by each class. For the current year the dues are as follows: Freshmen—\$1.; Sophomores—\$4.; Juniors—\$7.; Seniors—\$11.

D. REPAYMENTS**1. Repayments will be made:**

In case of personal illness, the same being certified by an attending physician, or for such other reasons as may be approved by the Board of Trustees, the amount of the housing and basic fees paid by the student for the part of the semester which the student does not spend in college will be refunded.

2. Repayments will not be made:

A. To students who are temporarily suspended, indefinitely suspended, dismissed, or who voluntarily withdraw from the College.

B. Of the advance registration deposit for any reason whatsoever.

E. DATE OF PAYMENTS**1959-1960**

The College sends out bills for board and room and the basic and special curriculum fees twice a semester, once at the beginning of the semester, and again at the end of the first half of the semester. This divides the payments per year into four units. If special arrangements other than these are desired, the student should consult the Business Manager of the College.

Checks for the basic and special curriculum fees and for board and room should be made payable to the COMMONWEALTH OF PENNSYLVANIA.

Checks for the STUDENT ACTIVITY FEE should be made payable to the Student Activities Association at West Chester, Pa., at the beginning of each semester.

Payments are due as follows:

	1959-60
First half of first semester	Sept. 9
Second half of first semester	Nov. 9
First half of second semester	Jan. 27
Second half of second semester	Mar. 28
Pre-Session Fees	June 6
Regular Summer Session Fees	June 27
Post-Session Fees	August 8

Payment for the entire semester may be made in September and January if desired.

SUMMARY OF COSTS PER YEAR *
FOR RESIDENTS OF PENNSYLVANIA

1. Elementary or Secondary Education Curriculum:**a. Boarding at the College**

Basic Fee	\$200.00
Activity Fee	35.00
Books (approximately)	30.00
Room, board, laundry	504.00
	<hr/>
	\$819.00 **

* Fees are subject to change without notice. Out of state students will be charged a tuition fee of \$336.00 per year in addition to the costs listed above.

** Cost of gymnasium outfits and class dues must be added to this total. See pages 67-68 for costs.

b. Day Students—Living at Home

Basic Fee	\$200.00
Activity Fee	35.00
Books (approximately)	80.00
	<hr/>
	\$315.00**

2. Health and Physical Education Curriculum:**a. Boarding at the College**

Basic and Special Curriculum Fees	\$236.00
Activity Fee	35.00
Books (approximately)	80.00
Room, board, laundry	504.00
	<hr/>
	\$855.00**

b. Day Students—Living at Home

Basic and Special Curriculum Fees	\$236.00
Activity Fee	35.00
Books (approximately)	80.00
	<hr/>
	\$351.00**

3. Music Education Curriculum:**a. Boarding at the College**

Basic and Special Curriculum Fees	\$290.00
Activity Fee	35.00
Books (approximately)	80.00
Room, board, laundry	504.00
	<hr/>
	\$909.00**

b. Day Students—Living at Home

Basic and Special Curriculum Fees	\$290.00
Activity Fee	35.00
Books (approximately)	80.00
	<hr/>
	\$405.00**

** Cost of gymnasium outfits and class dues must be added to this total. See pages 67-68 for costs.

CURRICULA OFFERED AT WEST CHESTER

1. Elementary Education Curriculum (see pages 71-73).
2. Secondary Education Curriculum (see pages 73-85).
3. Health and Physical Education Curriculum (see pages 86-89).
4. Music Education Curriculum (see pages 90-92).
5. Degree Curriculum for Dental Hygienists (see pages 93-95).
6. Degree Curriculum for Public School Nurses (see pages 96-98).

1. THE ELEMENTARY CURRICULUM

Upon satisfactory completion of the requirements of this curriculum the student will be granted the degree of Bachelor of Science in Education by the College and will qualify for a Pennsylvania Provisional College Certificate to be issued by the Department of Public Instruction, Harrisburg, Pa. This certificate will be valid for teaching for three years in the kindergarten and grades one to six inclusive, and for grades seven and eight when they are not a part of an approved junior high school or junior-senior high school in Pennsylvania.

(Sequence of courses subject to change for administrative reasons)

FIRST SEMESTER

		Clock	Hours Semester
Eng. 101	English I -----	3	3
Eng. 103	Speech -----	2	2
Sci. 100	Basic Biology -----	4	3
Ed. 100	Professional Orientation -----	3	3
Geog. 101	World Geography -----	3	3
H.E. 101	Physical Education -----	2	1
		17	15

SECOND SEMESTER

Eng. 102	English II -----	3	3
Eng. 104	Reading -----	2	2
Art 101	Fine Arts -----	3	3
Math. 101	Introduction to College Mathematics -----	3	3
Sci. 150	Physical Science -----	4	3
H.E. 150	Health -----	2	2
		17	16

THIRD SEMESTER

Hist. 201	History of Civilization I -----	3	3
Eng. 221	Literature I -----	3	3
Ed. 250	General Psychology -----	3	3
Sci. 250	*Science for the Elementary Grades -----	3	3
Mus. 220	Fine Arts -----	3	3
H.E. 201	Physical Education -----	2	1
		17	16

*Courses so marked cover content materials, and specialized methods pertaining to the subject area involved.

FOURTH SEMESTER		Hours	
		Clock	Semester
Hist. 202	History of Civilization II -----	3	3
Eng. 222	Literature II -----	3	3
Art 202	*Art for the Elementary Grades -----	3	3
Mus. 251	*Music for the Primary Grades -----	3	3
or			
Mus. 252	*Music for the Intermediate Grades -----	3	3
H.E. 202	Physical Education -----	2	1
	Elective -----	3	3
		17	16

FIFTH SEMESTER			
Ed. 350	Educational Psychology -----	3	3
Ed. 309	*Language Arts -----	9	9
or			
Ed. 319	} Teaching of Reading ----- 3-3	3-3	
Eng. 328		3-3	
Ed. 317		3-3	
H.E. 350	*Health for the Elementary Grades -----	3	2
	Elective -----	3	3
		18	17

SIXTH SEMESTER			
Hist. 311	History of the United States and Pennsylvania I -----	3	3
Ed. 351	Human Development (Childhood) -----	3	3
Math. 351	*Arithmetic for the Elementary Grades -----	3	3
Ed. 320	*Social Studies and Geography -----	3	3
Ed. 300	Audio-Visual Education -----	3	2
	Elective (in Science) -----	3	3
		18	17

SEVENTH SEMESTER			
Ed. 451	Tests and Measurements in Guidance ----	3	3
Ed. 480	Introduction to Philosophy -----	3	3
Pol. Sci. 431	American Government -----	3	3
Eng. 353	Speech Problems -----	3	3
Ed. 401	Problems of Elementary Education -----	2	2
	Elective -----	3	3
		17	17

EIGHTH SEMESTER			
Ed. 410	Student Teaching and Direction of Student Activities -----	30	12
Ed. 400	Practicum and School Law -----	2	2
		32	14

Total Semester Hours
Required for Graduation ----- 128

*Courses so marked cover content, materials, and specialized methods pertaining to the subject area involved.

SPECIALIZATION AND ELECTIVES

Students may specialize in Early Childhood, in Intermediate Grade, or in Upper Grade teaching by selecting appropriate electives. A minimum of six semester hours in any of the three areas shall constitute specialization in that area.

ELECTIVES:		Hours	
		Clock	Semester
Art 201	Arts and Crafts	3	3
Art 301	Problems in Art Education	3	3
Art 302	Creative Art	3	3
Art 303	Creative Design	3	3
Ed. 301	Pre-School Education	3	3
Ed. 303	Creative Activities in the Elementary School	3	3
Ed. 307	Diagnostic and Remedial Reading	3	3
Ed. 310	School and Community	3	3
Ed. 330	Teaching the Exceptional Child	3	3
Ed. 353	Child Adjustment	3	3
Ed. 370	Mental Hygiene	3	3
Ed. 380	Ethics	3	3
Ed. 401	Problems of Elementary Education	3	3
Eng. 353	Speech Problems	3	3
Mus. 100	Foundations of Music	3	3
Mus. 401	Piano Class (Elementary)	3	3
Mus. 403	Teaching Music Through Song and Rhythm Materials	3	3

*Students may also elect courses in academic fields and special curricula for which they are qualified.

2. THE SECONDARY CURRICULUM

Upon satisfactory completion of the requirements of this curriculum the student will be granted the degree of Bachelor of Science in Education by the College and will qualify for a Pennsylvania Provisional College Certificate to be issued by the Department of Public Instruction, Harrisburg, Pa. This certificate will be valid for teaching specific subjects in an approved secondary school in Pennsylvania for three years. Students are required to choose two areas of specialization. These are indicated on the following pages.

(Sequence of courses subject to change for administrative reasons)

	FIRST SEMESTER	Hours	
		Clock	Semester
Eng. 101	English I	3	3
Eng. 103	Speech	2	2
Sci. 100	Basic Biology	4	3
Geog. 101	World Geography	3	3
H.E. 104	Physical Education	2	1
	Elective	3	3
		17	15

A student may be given the privilege of taking an examination in any subject matter area in which he registers, for the purpose of securing exemption from taking a course. A student shall be given credit for a course in which he registers and in which he demonstrates competence by a qualifying examination.

SECOND SEMESTER		Hours	
		Clock	Semester
Eng. 102	English II -----	3	3
Eng. 104	Reading -----	2	2
Sci. 150	Basic Physical Science -----	4	3
Ed. 100	Professional Orientation -----	3	3
Math 101	*Introduction to College Mathematics -----	3	3
H.E. 150	Health -----	2	2
	Elective -----	3	3
		<hr/> 20	<hr/> 19

THIRD SEMESTER			
Hist. 201	History of Civilization I -----	3	3
Eng. 221	Literature I -----	3	3
Ed. 250	General Psychology -----	3	3
Art. 101	Fine Arts -----	3	3
H. E. 204	Physical Education -----	2	1
	Elective -----	3	3
		<hr/> 17	<hr/> 16

FOURTH SEMESTER			
Hist. 202	History of Civilization II -----	3	3
Eng. 222	Literature II -----	3	3
Mus. 220	Fine Arts -----	3	3
H.E. 205	Physical Education -----	2	1
	Electives -----	6	6
		<hr/> 17	<hr/> 16

FIFTH SEMESTER			
Hist. 311	History of the United States and Pennsylvania I -----	3	3
Ed. 350	Educational Psychology -----	3	3
Ed. 352	Human Development (Adolescence) -----	3	3
	Electives -----	9	9
		<hr/> 18	<hr/> 18

SIXTH SEMESTER			
Ed. 300	Audio-Visual Education -----	3	2
Ed. 302	Problems of Secondary Education Including Guidance -----	3	3
Ed. 451	Tests and Measurements in Guidance -----	3	3
	Electives -----	9	9
		<hr/> 18	<hr/> 17

SEVENTH SEMESTER			
Ed. 480	Introduction to Philosophy -----	3	3
Pol. Sci. 431	American Government -----	3	3
	Electives -----	9	9
		<hr/> 15	<hr/> 15

*Introduction to College Mathematics is not required when a field of specialization is Mathematics.

EIGHTH SEMESTER		Hours	
		Clock	Semester
Ed. 410	Student Teaching and Direction of		
	Student Activities -----	30	12
Ed. 400	Professional Practicum and		
	School Law -----	2	2
		<u>32</u>	<u>14</u>
Total Semester Hours			
Required for Graduation -----			128

Graduation requirements for this curriculum include specialization in not less than two teaching fields.

The minimum semester hour requirements for graduation in secondary education are as follows:

	First Field	Second Field
Biological Science -----	30	24
Chemistry -----	30	24
*English -----	36	--
French -----	30	24
**Latin -----	--	24
Geography -----	30	24
Earth and Space Science -----	30	24
Mathematics -----	30	24
*Comprehensive Science -----	40	--
Physics -----	30	24
General Science -----	30	24
*Social Studies -----	36	--

*No second field offered

**No first field offered

Fulfillment of these requirements will satisfy certification requirements in Pennsylvania.

Students may elect courses in academic fields and special curricula for which they are qualified.

A student may be given the privilege of taking an examination in any subject matter area in which he registers for the purpose of securing exemption from taking a course. A student shall be given credit for a course in which he registers and in which he demonstrates competence by a qualifying examination.

AREAS OF SPECIALIZATION

English

(First field 36 Semester Hours; no second field.)

Course descriptions on pages 108-113.

		<i>Hours</i>	
		<i>Clock</i>	<i>Semester</i>
REQUIRED—			
Eng. 101-103	*Communication I -----	5	5
or Eng. 101	English I (3-3)		
and Eng. 103	**Speech (2-2)		
Eng. 102-104	*Communication II -----	5	5
or Eng. 102	English II (3-3)		
and Eng. 104	**Reading (2-2)		
Eng. 221	Literature I -----	3	3
Eng. 315	Teaching English in Secondary Schools -	3	3

RESTRICTED ELECTIVES—

At least one course must be selected from each of Groups 1, 2, 3, and 4.

Group 1. COMPOSITION COURSES

Eng. 211	Journalism -----	3	3
Eng. 312	Advanced Composition -----	3	3
Eng. 313	Creative Writing -----	3	3
Eng. 314	English Philology and Grammar -	3	3

Group 2. SURVEY COURSES

Eng. 223	American Literature -----	3	3
Eng. 224	English Literature I -----	3	3
Eng. 225	English Literature II -----	3	3
Eng. 326	American Poetry -----	3	3
Eng. 327	American Prose -----	3	3
Eng. 328	Children's Literature -----	3	3

Group 3. PERIOD COURSES

Eng. 331	Pre-Shakespearean Literature ----	3	3
Eng. 332	Shakespeare -----	3	3
Eng. 333	Eighteenth Century Literature ----	3	3
Eng. 334	The Romantic Movement -----	3	3
Eng. 335	Victorian Literature -----	3	3

*3 Semester Hours of credit will count toward specialization in English.

**Do not carry credit toward specialization in English.

		<i>Hours</i>	
		<i>Clock</i>	<i>Semester</i>
Group 4. LITERARY FORM COURSES			
Eng. 341	The Novel to 1870	3	3
Eng. 342	Contemporary Novel	3	3
Eng. 343	Contemporary Poetry	3	3
Eng. 344	Modern Drama	3	3
Eng. 345	Criticism	3	3
Eng. 346	The Essay	3	3
Eng. 347	Literature of Biography	3	3
Eng. 348	Short Story	3	3

Group 5. ENGLISH FREE ELECTIVES

(These courses do not carry credit toward the basic 36 hours required for a field in English but may be used as supplemental credits.)

Eng. 351	Play Production	3	3
Eng. 352	Dramatics in the Elementary Grades	3	3
Eng. 353	Speech Problems	3	3
Eng. 354	Choral Speaking	3	3

French

(First field 30 Semester Hours; Second field 24 Semester Hours)

Course descriptions on pages 113-114.

REQUIRED

Fr. 101	Elementary French I	3	3
Fr. 102	Elementary French II	3	3
Fr. 103	French Composition	3	3
Fr. 104	French Conversation	3	3

ELECTIVES

Fr. 201	Survey of Literature	3	3
Fr. 202	Survey of Literature	3	3
Fr. 301	Advanced Language and Techniques	3	3
Fr. 302	French Classical Drama	3	3
Fr. 303	French Literature of the 19th Century	3	3
Fr. 401	Development of the French Novel ..	3	3

Latin

To specialize in Latin, students must present not less than two years of secondary school Latin, or Beginning Latin I and II, and demonstrate competence to specialize in this field.

(First field not offered; Second field 24 Semester Hours)

Course descriptions on pages 114-115.

REQUIRED		Hours	
		Clock	Semester
Lat. 101	*Beginning Latin I -----	3	3
Lat. 102	*Beginning Latin II -----	3	3
Lat. 103	Ovid and Virgil -----	3	3
Lat. 104	Livy -----	3	3
Lat. 201	Cicero and Tacitus Selections ----	3	3
Lat. 202	Horace -----	3	3
Lat. 301	Plautus and Terence -----	3	3
Lat. 302	Roman Civilization -----	3	3

Geography

(First field 30 Semester Hours; Second field 24 Semester Hours)

Course descriptions on pages 115-120.

REQUIRED			
Geog. 101	World Geography -----	3	3
Geog. 202	Geography of the U.S. and Canada	3	3
Geog. 203	Economic Geography -----	3	3
Geog. 205	Physiography -----	3	3
Geog. 307	Geography of the U.S.S.R. (Including Satellite Countries)	3	3
Geog. 311**	Teaching Geography in Secondary Schools -----	3	3

RESTRICTED ELECTIVES

At least one course must be chosen from each of Groups 1, 2, and 3.

Group 1. EARTH STUDIES

Geog. 206	Meteorology -----	3	3
Geog. 301	Geology -----	3	3
Geog. 302	Climatology -----	3	3
Geog. 303	Cartography -----	3	3

*A beginning course for students lacking two years of high school Latin. This two semester course will not be credited toward a teaching field in Latin.

**Required for a first field; may not be used to satisfy the minimum requirements for a second field.

		<i>Hours</i>	
		<i>Clock</i>	<i>Semester</i>
Group 2. ECONOMIC STUDIES			
Geog. 201	Conservation of Natural Resources	3	3
Geog. 209	The U.S. in its Global Relationships -----	3	3
Geog. 210	Geographic Influence in American History -----	3	3
Geog. 308	Trade and Transportation -----	3	3
Geog. 309	World Problems -----	3	3
Group 3. REGIONAL STUDIES			
Geog. 102	Geography of the U.S. and Pennsylvania -----	3	3
Geog. 204	Geography of Pennsylvania ----	3	3
Geog. 207	Geography of Europe -----	3	3
Geog. 208	Geography of Latin America ----	3	3
Geog. 304	Geography of Asia -----	3	3
Geog. 305	Geography of the Far East ----	3	3
Geog. 306	Geography of Africa and Australia -----	3	3
Geog. 310	Field Courses (as approved) ---	3	3

Mathematics

(First field 30 Semester Hours; Second field 24 Semester Hours)

Course descriptions on pages 132-135.

Students demonstrating competence to specialize in Mathematics will not be required to take Introduction to College Mathematics (Math. 101).

REQUIRED

Math. 105	College Algebra and Trigonometry	3	3
or			
Math. 111	College Algebra I -----	3	3
and			
Math. 121	College Trigonometry -----	3	3
Math. 131	Analytic Geometry -----	3	3
Math. 241	Differential Calculus -----	3	3
Math. 242	Integral Calculus -----	3	3
Math. 350	*Teaching Mathematics in Secondary Schools -----	3	3

*Required for a first field; may not be used to satisfy the minimum requirements for a second field.

			<i>Hours</i>	
			<i>Clock</i>	<i>Semester</i>
ELECTIVES				
Math. 211	College Algebra II -----		3	3
Math. 301	Mathematics of Finance -----		3	3
Math. 302	Field Work in Mathematics ----		3	3
Math. 303	Statistics -----		3	3
Math. 321	Spherical Trigonometry and Navigation -----		3	3
Math. 331	College Geometry -----		3	3
Math. 341	Intermediate Calculus -----		3	3
Math. 401	History of Mathematics -----		3	3
Math. 402	Modern Mathematics -----		3	3
Math. 441	Differential Equations -----		3	3

Science

Course descriptions on pages 147-154.

Pennsylvania teacher certification requirements form the basis of planning teaching fields in science. The following statements summarize the certification requirements for teaching General Science:

1. A student may be certified to teach General Science on the completion of twenty-four (24) semester hours in any two or all of the sciences;
2. Certification to teach General Science is valid for teaching General Science in all grades up to and including the ninth grade.

A student may qualify for the *Comprehensive Science Certificate* by completing a minimum of forty (40) semester hours with not less than eight (8) semester hours in *each* of the following: biology, chemistry, and physics; *and* not less than six (6) semester hours in earth sciences (astronomy, geology, and meteorology); *and* not less than three (3) semester hours in mathematics.

It is recommended that the supporting electives be chosen with due regard to teaching combinations likely to be in demand at the time of graduation. At present, these appear to be as follows: biological science with chemistry, biological science with geography, chemistry with physics, earth and space science with geography, mathematics with general science, and mathematics with physics.



CAMPUS SCENE

Additional supporting electives to form a major field should be selected with the advice of a member of the science faculty who is approved by the department head and who would therefore be well qualified to suggest courses in the particular field of specialization.

General Science

(First Field 30 hours; Second Field 24 hours)

Basic Biology (Sci. 100) and Basic Physical Science (Sci. 150) are not required of students with a specialization in General Science. Supporting electives recommended are listed under Biological Science, Chemistry, Geography (Earth Sciences), Mathematics, and Physics.

REQUIRED:		<i>Hours</i>	
		<i>Clock</i>	<i>Semester</i>
Bi. Sci. 111	Botany I -----	6	4
or			
Bi. Sci. 112	Botany II -----	6	4
Chem. 121	Inorganic Chemistry I -----	6	4
Chem. 122	Inorganic Chemistry II -----	6	4
Bi. Sci. 141	Zoology I -----	6	4
or			
Bi. Sci. 142	Zoology II -----	6	4
Phy. 131	Physics I -----	6	4
Phy. 132	Physics II -----	6	4
Geog. 206	Meteorology -----	3	3
Sci. 350	*Teaching Science in Secondary Schools -----	3	3

Biological Science

(First field 30 Semester Hours; Second field 24 Semester Hours)

Basic Biology (Sci. 100) is not required when a field of specialization is Biological Science. In place of this course, Chemistry and Physics are recommended.

REQUIRED

Bi. Sci. 111	Botany I -----	6	4
Bi. Sci. 112	Botany II -----	6	4
Bi. Sci. 141	Zoology I -----	6	4
Bi. Sci. 142	Zoology II -----	6	4
Sci. 350	*Teaching Science in the Secondary School -----	3	3

* Required for a first field; may not be used to satisfy the minimum requirements for a second field.

RESTRICTED ELECTIVES (apply only to first teaching field)

At least one course must be selected from each group.

Group 1. FIELD COURSES		Hours	
		Clock	Semester
Bi. Sci. 210	Field Botany -----	5	3
Bi. Sci. 241	Field Zoology -----	5	3
Bi. Sci. 242	Ornithology -----	5	3
Bi. Sci. 302	Ecology -----	5	3
Bi. Sci. 341	Entomology -----	5	3
Group 2. LABORATORY COURSES			
Bi. Sci. 301	Genetics -----	5	3
Bi. Sci. 310	Microbiology -----	5	3
Bi. Sci. 342	Parasitology -----	5	3
Bi. Sci. 343	Comparative Anatomy of Vertebrates -----	5	3
Bi. Sci. 344	Human Physiology -----	5	3

Chemistry

(First field 30 Semester Hours; Second field 24 Semester Hours)

Basic Physical Science (Sci. 150) is not required when a field of specialization is Chemistry.

Students who elect Chemistry as a first field and Physics as a second field may count the required hours in Physics I and II towards both fields.

REQUIRED

Chem. 121	Inorganic Chemistry I -----	6	4
Chem. 122	Inorganic Chemistry II -----	6	4
Chem. 221	Qualitative Analysis -----	7	3
Chem. 222	Quantitative Analysis -----	7	3
Sci. 350	*Teaching Science in the Secondary School -----	3	3

ELECTIVES

Chem. 123	Inorganic Chemistry III -----	6	4
Phy. 131	Physics I -----	6	4
Phy. 132	Physics II -----	6	4
Chem. 321	Organic Chemistry I -----	6	4
Chem. 322	Organic Chemistry II -----	6	4
Chem. 323	Chemistry of Nutrition -----	5	3
Chem. 324	Industrial Chemistry -----	5	3

* Required for a first field; may not be used to satisfy the minimum requirements for a second field.

Earth and Space Science

(First field 30 Semester Hours; Second field 24 Semester Hours)

Basic Physical Science (Sci. 150) is not required when a field of specialization is Earth and Space Science.

REQUIRED			Hours	
			Clock	Semester
Chem. 121	Inorganic Chemistry I	-----	6	4
Chem. 122	Inorganic Chemistry II	-----	6	4
Phy. 131	Physics I	-----	6	4
Phy. 132	Physics II	-----	6	4
Phy. 430	General Astronomy	-----	3	3
Geog. 205	Physiography	-----	3	3
Geog. 206	Meteorology	-----	3	3
Geog. 301	Geology	-----	3	3
Sci. 350	*Teaching Science in the Secondary School	-----	3	3

ELECTIVES

To be selected from Chemistry, Physics, or **Earth Science.

Physics

(First field 30 Semester Hours; Second field 24 Semester Hours)

Students who elect Physics as a first field and Chemistry as a second field may count the required hours in Inorganic Chemistry I and II towards both fields.

Basic Physical Science (Sci. 150) is not required when a field of specialization is Physics.

Beyond Physics I and Physics II (General College Physics) the course in Integral Calculus is recommended for all students in this field.

REQUIRED

Phy. 131	Physics I	-----	6	4
Phy. 132	Physics II	-----	6	4
Phy. 231	Mechanics	-----	6	4
Phy. 431	Modern Physics	-----	5	3
Math. 105	College Algebra and Trigonometry***	--	3	3
Sci. 350	*Teaching Science in the Secondary School	-----	3	3

* Required for a first field; may not be used to satisfy the minimum requirements for a second field.

** To be selected from Geography, Group I. See page 78.

*** May not be used to satisfy the minimum requirements for either a first or second field.

ELECTIVES			<i>Hours</i>	
			<i>Clock</i>	<i>Semester</i>
Chem. 121	Inorganic Chemistry I	-----	6	4
Chem. 122	Inorganic Chemistry II	-----	6	4
Phy. 331	Electricity and Magnetism	----	6	4
Phy. 332	Electronics	-----	5	3
Phy. 333	Optics	-----	5	3
Phy. 430	General Astronomy	-----	3	3
Math. 242	Integral Calculus	-----	3	3

Social Studies

(First field 36 Semester Hours; No second field)

Course descriptions on pages 155-159.

REQUIRED

Hist. 201	History of Civilization I	-----	3	3
Hist. 202	History of Civilization II	----	3	3
Hist. 311	History of the United States and Pennsylvania I	----	3	3
Hist. 312	History of the United States and Pennsylvania II	----	3	3
Pol. Sci. 431	American Government	-----	3	3
Ec. 331	Principles of Economics	-----	3	3
Soc. 331	Principles of Sociology	-----	3	3
Hist. 331	Teaching Social Studies in Secondary Schools	-----	3	3

RESTRICTED ELECTIVES

At least one course must be selected from each of Groups 1, 2,3, and 4.

GROUP 1. UNITED STATES HISTORY

Hist. 313	History of Pennsylvania	-----	3	3
Hist. 314	Diplomatic History of the United States	-----	3	3
Hist. 315	Economic History of the United States	-----	3	3

GROUP 2. EUROPEAN HISTORY

Hist. 221	History of Europe to 1815	---	3	3
Hist. 222	History of Europe since 1815	--	3	3
Hist. 321	History of England	-----	3	3

			<i>Hours</i>	
			<i>Clock</i>	<i>Semester</i>
GROUP 3. REGIONAL HISTORY				
Hist.	322	History of the Far East -----	3	3
Hist.	323	History of the Middle East --	3	3
Hist.	324	History of Latin America ----	3	3
Hist.	325	History of Twentieth Century World -----	3	3
GROUP 4. SOCIAL SCIENCE				
Pol. Sci.	331	State and Local Government--	3	3
Pol. Sci.	332	Comparative Government ----	3	3
Pol. Sci.	333	International Relations -----	3	3
Soc.	332	Contemporary Social Problems	3	3
Soc.	333	The Family -----	3	3
Ec.	332	Contemporary Economic Problems -----	3	3

3. THE HEALTH AND PHYSICAL EDUCATION CURRICULUM

Upon satisfactory completion of the requirements of this curriculum the student will be granted the degree of Bachelor of Science in Health Education by the College and will qualify for a Pennsylvania Provisional College Certificate to be issued by the Department of Public Instruction, Harrisburg, Pa. The certificate will be valid for teaching and supervising Health and Physical Education in the elementary and secondary schools of Pennsylvania for three years.

All Health and Physical Education major students shall meet the department extra-curricular requirements before they attain Senior standing.

(Sequence of courses subject to change for administrative reasons)

		Hours Clock	Semester
FIRST SEMESTER			
Eng. 101	English I -----	3	3
Eng. 103	Speech -----	2	2
Math. 101	Introduction to College Mathematics -----	3	3
Ed. 100	Professional Orientation -----	3	3
H.E. 151	Hygiene -----	3	1
H.E. 131	Aquatics I -----	3	1
H.E. 111	Gymnastics I -----	3	1
H.E. 121	Athletics I -----	3	1
		23	17
SECOND SEMESTER			
Eng. 102	English II -----	3	3
Eng. 104	Reading -----	2	2
Chem. 120	General Chemistry -----	5	3
Art 101	Fine Arts (Art) -----	3	3
H.E. 152	First Aid -----	2	2
H.E. 132	Aquatics II -----	3	1
H.E. 112	Gymnastics II -----	3	1
H.E. 122	Athletics II -----	3	1
		24	16
THIRD SEMESTER			
Eng. 221	Literature I -----	3	3
Hist. 201	History of Civilization I -----	3	3
Ed. 250	General Psychology -----	3	3
Bi. Sci. 261	Anatomy and Physiology -----	5	3
H.E. 241	Dancing I -----	3	1
H.E. 211	Gymnastics III -----	3	1
H.E. 221	Athletics III -----	3	1
		Optional Elective -----	
		23	15

FOURTH SEMESTER		Hours Clock Semester	
Eng. 222	Literature II -----	3	3
Hist. 202	History of Civilization II -----	3	3
Mus. 220	Fine Arts (Music) -----	3	3
Bi. Sci. 262	Anatomy and Physiology II -----	5	3
H.E. 261	History of Physical Education -----	2	2
H.E. 242	Dancing II -----	3	1
H.E. 212	Gymnastics IV -----	3	1
H.E. 222	Athletics IV -----	3	1
		25	17

FIFTH SEMESTER			
Hist. 311	History of the United States and Penna. I	3	3
H.E. 362	Physical Education for the Elementary Grades -----	3	2
H.E. 361	Tests, Measurements and Guidance in Health and Physical Education --	3	3
H.E. 351	Human Development -----	3	3
H.E. 363	Applied Physiology -----	2	2
H.E. 321	Athletics V -----	3	1
H.E. 311	Gymnastics V -----	3	1
		20	15

SIXTH SEMESTER			
Ed. 300	Audio-Visual Aids -----	3	2
Ed. 350	Educational Psychology -----	3	3
H.E. 365	Physical Activities for Atypical Children I	2	2
H.E. 364	Organization and Administration of Physical Education -----	3	3
H.E. 352	Methods and Materials in Health Education	3	2
H.E. 322	Athletics VI -----	3	1
H.E. 312	Gymnastics VI -----	3	1
	Elective -----	3	3
		23	17

SEVENTH SEMESTER			
Ed. 480	Introduction to Philosophy -----	3	3
Pol. Sci. 431	American Government -----	3	3
H.E. 461	Physical Activities for Atypical Children II	3	2
H.E. 462	Principles of Recreation -----	2	2
H.E. 463	Principles of Coaching -----	2	2
	Electives -----	5	5
		18	17

EIGHTH SEMESTER			
H.E. 471	Student Teaching and Direction of Student Activities -----	30	12
H.E. 472	Professional Practicum Including School Law -----	2	2
		32	14
Total Semester Hours Required for Graduation ----			123

Students may also elect courses in academic fields and special curricula for which they are qualified.

RECREATION LEADERSHIP

For students who desire to prepare as recreation leaders, an elective area is provided.

Course descriptions on pages 127-129.

	<i>Hours</i>	
	<i>Clock</i>	<i>Semester</i>
REQUIRED COURSES—16 semester hours		
H.E. 131 *Aquatics I -----	3	1
H.E. 132 *Aquatics II -----	3	1
H.E. 152 *First Aid -----	2	2
H.E. 241 *Dancing I -----	3	1
H.E. 242 *Dancing II -----	3	1
H.E. 321 *Athletics V -----	3	1
H.E. 322 *Athletics VI -----	3	1
H.E. 366 Organization and Administration of Recreation -----	3	3
H.E. 462 *Principles of Recreation -----	2	2
H.E. 464 Supervised Recreation Leadership--	6	3
	—	—
Total -----	31	16

ELECTIVE COURSES—8 semester hours

(to be chosen from two or more of the following fields):

H.E. 331 Advanced Aquatics -----	3	2
H.E. 341 Modern Dance -----	2	1
H.E. 353 Advanced First Aid -----	2	2
H.E. 367 Arts and Crafts in Recreation ----	3	3
H.E. 368 Music in Recreation -----	3	3
H.E. 369 Dramatics in Recreation -----	3	3
H.E. 370 Camping and Outing -----	3	3

* Health and Physical Education Major students receive credit for these courses since they are required courses for the major field.

EDUCATION FOR SAFE LIVING (HIGHWAY SAFETY AND GENERAL SAFETY EDUCATION)

The standards for certification as approved by the State Council of Education, January 9, 1943, require twelve semester hours *for the extension of a teacher's certificate to include this field.*

The following courses are offered by the College to satisfy the course requirement in this field:

Course descriptions on page 127.

		Hours	
		Clock	Semester
H.E. 481	Introduction to Safety Education--	3	3
H.E. 482	Driver Education and Training----	3	3
H.E. 483	Psychology of Accident Prevention	3	3
H.E. 484	Methods and Materials in Safety Education -----	3	3
H.E. 485	Organization and Supervision in Safety Education -----	3	3

PRE-PHYSICAL THERAPY

Course descriptions on page 129.

H.E. 392	Introduction to Physical Therapy--	2	2
H.E. 491	Seminar and Observation in Pre-Physical Therapy --	9	3

4. THE MUSIC EDUCATION CURRICULUM

Upon satisfactory completion of the requirements of this curriculum the student will be granted the degree of Bachelor of Science in Music Education by the College and will qualify for a Pennsylvania Provisional College Certificate to be issued by the Department of Public Instruction, Harrisburg, Pa. The certificate will be valid for teaching music in the elementary and secondary schools of Pennsylvania for three years.

(Sequence of courses subject to change for administrative reasons)

		Hours Clock Semester	
FIRST SEMESTER			
Eng. 101-103	Communication I ----- or English 101 (3-3) and Speech 103 (2-2)	5	5
Sci. 100	Basic Biology -----	4	3
Mus. 100	Foundations of Music -----	3	3
H.E. 107	Physical Education I (Eurythmics) ----- Piano (private lesson) ----- Voice (private lesson) -----	2 $\frac{1}{2}$ $\frac{1}{2}$	1 1 1
Mus. 21	Violin I -----	2	1
Mus. 71 or 81	Orchestra or Band -----	2	$\frac{1}{3}$
Mus. 61	Chorus -----	2	$\frac{1}{3}$
		21	15 $\frac{2}{3}$
SECOND SEMESTER			
Eng. 102-104	Communication II ----- or English 102 (3-3) and Reading 104 (2-2)	5	5
Mus. 110	Theory of Music -----	3	3
Mus. 211	Sight Singing -----	3	3
H.E. 150	Health -----	2	2
H.E. 207	Physical Education II (Eurythmics II) -- Piano ----- Voice -----	2 $\frac{1}{2}$ $\frac{1}{2}$	1 1 1
Mus. 22	Violin II -----	2	1
Mus. 72 or 82	Orchestra or Band -----	2	$\frac{1}{3}$
Mus. 62	Chorus -----	2	$\frac{1}{3}$
		22	17 $\frac{2}{3}$
THIRD SEMESTER			
Eng. 221	Literature I -----	3	3
Hist. 201	History of Civilization I -----	3	3
Mus. 201	Theory of Music -----	3	3
Mus. 212	Sight Singing ----- Piano ----- Voice -----	2 $\frac{1}{2}$ $\frac{1}{2}$	2 1 1
Mus. 31-32	Clarinet (class) -----	2	1
Mus. 73 or 83	Orchestra or Band -----	2	$\frac{1}{3}$
Mus. 63	Chorus -----	2	$\frac{1}{3}$
		18	14 $\frac{2}{3}$

		Hours Clock Semester	
FOURTH SEMESTER			
Eng. 222	Literature II -----	3	3
Hist. 202	History of Civilization II -----	3	3
Ed. 250	General Psychology -----	3	3
Ed. 100	Professional Orientation -----	3	3
Mus. 202	Theory of Music -----	3	3
	Piano -----	$\frac{1}{2}$	1
	Voice -----	$\frac{1}{2}$	1
Mus. 74 or 84	Orchestra or Band -----	2	$\frac{1}{3}$
Mus. 64	Chorus -----	2	$\frac{1}{3}$
		<hr/> 20	<hr/> 17 $\frac{2}{3}$

FIFTH SEMESTER			
Mus. 351	Human Development -----	3	3
Art 101	Fine Arts (Art) -----	3	3
Mus. 324	Choral Materials and Practices -----	3	2
Mus. 312	Instrumental Methods -----	3	2
Mus. 301	Theory of Music -----	3	2
H.E. 208	Physical Education III -----	2	1
	Piano -----	$\frac{1}{2}$	1
	Voice or Instrument -----	$\frac{1}{2}$	1
Mus. 41-42	Trumpet (class) -----	2	1
Mus. 75 or 85	Orchestra or Band -----	2	$\frac{1}{3}$
Mus. 65	Chorus -----	2	$\frac{1}{3}$
		24	16 $\frac{2}{3}$

SIXTH SEMESTER			
Hist. 311	History of the United States and Pennsylvania I -----	3	3
Ed. 350	Educational Psychology -----	3	3
Mus. 220	Fine Arts (Music) -----	3	3
Mus. 331	Choral Conducting -----	2	2
	Piano -----	$\frac{1}{2}$	1
	Voice or Instrument -----	$\frac{1}{2}$	1
Mus. 76 or 86	Orchestra or Band -----	2	$\frac{1}{3}$
Mus. 66	Chorus -----	2	$\frac{1}{3}$
	Elective -----	2	2
		18	15 $\frac{2}{3}$

SEVENTH SEMESTER			
Pol. Sci. 431	American Government -----	3	3
Ed. 480	Introduction to Philosophy -----	3	3
Mus. 233	Physical Science (Acoustics) -----	4	3
Mus. 310	History of Music -----	3	3
Mus. 332	Conducting (Instrumental) -----	2	2
	Major Musical Organization -----	2	$\frac{1}{2}$
	Piano, Voice, or Instrument -----	$\frac{1}{2}$	1
		17 $\frac{1}{2}$	15 $\frac{1}{2}$

		Hours	
		Clock	Semester
EIGHTH SEMESTER			
Mus. 421	Student Teaching, Direction of	32	12
	Student Activities, and -----		
	Professional Practicum -----		
	Elective (Applied Music) -----	$\frac{1}{2}$	1
	Piano, Voice or Instrument -----	$\frac{1}{2}$	1
	Major Musical Organization -----	2	$\frac{1}{2}$
		<u>35</u>	<u>14$\frac{1}{2}$</u>
Total Semester Hours			
Required for Graduation -----			128

ELECTIVES

		Hours	
		Clock	Sem.
Mus. 320	American Music -----	2	2
Mus. 321	Counterpoint -----	2	2
Mus. 323	Composition -----	2	2
Mus. 325	Class Piano Methods -----	2	2
Mus. 326	Instrumental Techniques -----	3	3
	Applied Music		
	Class Lesson -----	1	$\frac{1}{2}$
	Private Lesson -----	$\frac{1}{2}$	1

Students may also elect courses in academic fields and special curricula for which they are qualified.

5. DEGREE CURRICULUM FOR DENTAL HYGIENISTS

The degree of Bachelor of Science in Education will be conferred upon Dental Hygienists meeting the following requirements:

1. The possession of a valid license to practice dental hygiene in the Commonwealth of Pennsylvania issued by the State Dental Council and Examining Board and the Department of Public Instruction.

"The professional education requirement for dental hygiene is the satisfactory completion of an approved dental hygienist course of instruction of two years of not less than thirty-two weeks of not less than thirty hours each week or its equivalent in and graduation from a dental hygiene school approved by the State Council and Examining Board."*

2. The satisfactory completion in addition thereto of 64 semester hours of professional and general education courses distributed as follows:

			Semester Hours
A. EDUCATION -----			11
Ed. 100	Professional Orientation -----	3	
Ed. 250	General Psychology -----	3	
Ed. 300	Audio-Visual Education -----	2	
Ed. 350	Educational Psychology -----	3	
B. GENERAL EDUCATION -----			43
English			
Eng. 101-103	Communication I -----	5	
	or		
Eng. 101	English I (3)		
	and		
Eng. 103	Speech (2)		
Eng. 102-104	Communication II -----	5	
	or		
Eng. 102	English II (3)		
	and		
Eng. 104	Reading (2)		
Eng. 221	Literature I -----	3	
Eng. 222	Literature II -----	3	
Fine Arts			
Art 101	Fine Arts -----	3	
Mus. 220	Fine Arts -----	3	
Geography			
Geog. 101	World Geography -----	3	
Geog. 202	Geography of the United States and Canada -----	3	

* Bulletin 644, 1950; Rules and Regulations for Applicants for Admission to Examination for Licensure to Practice Dentistry and Dental Hygiene and Examination Procedures.

Social Studies		Semester Hours
Hist. 201	History of Civilization I -----	3
Hist. 202	History of Civilization II -----	3
Pol. Sci. 431	American Government -----	3
Ec. 331	Economics -----	3
Hist. 311 or Hist. 312	History of the United States and Pennsylvania I or II -----	3
Soc. 331	Sociology -----	3
C. ELECTIVES -----		10
Total -----		64

Electives may be chosen with the approval of the Dean of Instruction from any academic field or curriculum offered at the College.

In each category above, credit will be given for equivalent courses pursued in the two year Dental Hygiene Curriculum. In such cases students must increase their electives by the number of semester hours so credited.

In the case of dental hygienists who had less than two years of specialized training on the basis of which they were licensed to practice dental hygiene, proportional credit will be given. Such persons must pursue additional general education courses in college to make up the deficiency.

Application for Admission

A dental hygienist who desires to enroll in the Degree Curriculum for Dental Hygienists should write for application blanks and information to the Director of Admissions, State Teachers College, West Chester, Pa.

Resident Requirements

A minimum of 30 semester hours of resident credits is required for graduation. Resident credits may be earned in day, evening, and Saturday classes which are offered on campus or approved by the college administration.

CERTIFICATION OF TEACHERS

School Laws of Pennsylvania, Section 1202.

State Certificates.

State certificates shall be issued as herein provided. Each such certificate shall set forth the branches which its holder is entitled to teach. No teacher shall teach, in any public school, any branch which he has not been properly certificated to teach.

A certificate to teach shall not be granted or issued to any person not a citizen of the United States, except in the case of exchange teachers not permanently employed and teachers employed for the purpose of teaching foreign languages.

Provisional College Certificate

A student who satisfactorily completes one of the curricula offered by the College receives his degree from the College and qualifies for a Provisional College Certificate which is issued to him upon application to the Department of Public Instruction, Harrisburg, Pa.

In the elementary field this certificate qualifies the holder to teach in the elementary schools of Pennsylvania for three years.

In the secondary field this certificate qualifies the holder to teach the subjects written thereon in the secondary schools of Pennsylvania for three years.

In health education and music education the certificate qualifies the holder to teach and supervise the special subject in both elementary and secondary schools of Pennsylvania for three years.

Permanent College Certificate

The Permanent College Certificate requires three years of successful teaching in the public schools of the Commonwealth of Pennsylvania under the Provisional College Certificate and the satisfactory completion of six semester hours of additional work of collegiate grade, completed subsequent to the issuance of the baccalaureate degree. One-half of the additional work must be professional and the remainder related to the subject or subject fields on the certificate. This certificate is then a permanent license to teach in Pennsylvania.

Extension of College Certificates

1. A college certificate valid for the secondary field may be extended to include the elementary field by completing thirty semester hours of approved courses in the field of elementary education, including six semester hours of elementary student teaching. At least one course in the teaching of each of the following must be included: art, music, and health.

2. A college certificate valid for the elementary field may be extended to include any subject of the secondary field by meeting all the standards required for the original issue of a Secondary certificate.

A student who has qualified for an elementary certificate will have completed the required Professional Orientation, Educational Psychology, and certain academic credits. Additional work will be required to meet the following standards:

- a. Eighteen semester hours of approved academic work in each subject to be written on the certificate;
- b. Secondary Education—six semester hours;
- c. Student Teaching on the Secondary level—six semester hours.

3. A college certificate valid for the secondary field may be extended to include additional academic subjects when the holder has completed eighteen semester hours of approved education in each subject to be added to the certificate.

Certification in Other States

Concerning the requirements for certification for teaching in other states, the Dean of Instruction should be consulted.

Teachers in Service

Entrance and college credits based on teaching experience have not been granted since September 1, 1927.

Credit for student teaching other than that done under the direction of the College will not be allowed.

Credit toward entrance or toward graduation with a degree will not be allowed for experience in teaching.

DESCRIPTION OF COURSES BY DEPARTMENTS

Not all of the courses listed will be offered in any one semester or year. Whenever the demand warrants the giving of a course, an effort will be made to schedule it. In some cases, certain courses will be offered one semester or year and others will be offered the following semester or year, thus setting up a pattern of alternating courses.

ART DEPARTMENT

MR. HALLMAN, *Head of the Department*

Mr. McKinney, Miss Simmendinger

Art 101. Fine Arts 3 credits

This course deals essentially with the history and appreciation of the Fine Arts—painting, sculpture, and architecture. Man's artistic expression from the earliest times to the present, including modern developments in the minor arts, are also surveyed.

Art 201. Arts and Crafts 3 semester hours

A course providing opportunity for creative activity in the arts and crafts. Special emphasis given to camp, playground, or recreational needs.

Art 202. Art for the Elementary Grades 2 semester hours

Provides opportunity for the student to develop his powers of self-expression; to have experience in the use of the fundamental elements and principles of art structure as they relate to two-dimensional expression, e.g., in the use of chalk, crayon, paint, etc.; to discover the relationship between his creative experiences and the art program for the elementary school; to provide a basis for an understanding and evaluation of children's work.

Art 203. Teaching Art in the Elementary Grades 3 semester hours

A continuation of Art for the Elementary Grades providing art experiences involving the use of a variety of manipulative materials and activities concerned with structural and decorative design. Included are the designing and creation of objects using materials such as clay, paper, wood, cardboard, etc., into functional attractive articles. Here, also, emphasis is put on understanding the art program of the elementary school.

Art 301. Problems in Art Education *3 semester hours*

An advanced course designed to develop a basic understanding of the implications of art as an integral part of general education, and to provide opportunity to develop a complete program of art in a school situation. It is intended to aid the elementary teacher to provide better instruction in art with or without the aid of a supervisor of art. Prerequisites: Art for the Elementary Grades and Teaching Art in the Elementary Grades.

Art 302. Creative Art *3 semester hours*

An elective course which aims to develop expression in drawing, painting, or other art activity. Activities arranged with regard to the individual interests of the student. No prerequisites.

Art 303. Creative Design *3 semester hours*

An elective course planned to develop judgment and creative power in problems of abstract and decorative design. No prerequisites.

EDUCATION DEPARTMENT

DR. BENDA, *Head of the Department*

Dr. Sykes, Dr. Bonder, Dr. Ross, Dr. Evans, Mr. Patterson, Mr. Childers, Dr. Woodlen, Mrs. Martin, Mrs. Haas, Dr. Gregg, Dr. Weagley, Dr. Hill, Miss King, Dr. Bannon, Mr. Studenmund, Mr. Strayer, Mr. Emery.

Ed. 100. Professional Orientation *3 semester hours*

An orientation and guidance course acquainting prospective teachers with the opportunities and requirements of the profession; the relationship of the school to society; the organization and administration of the American school system. Extensive directed observation of various schools and learning situations will be required.

Ed. 250. General Psychology *3 semester hours*

A comprehensive study of the origins, motives, and modifications of human behavior with emphasis on the scientific approach in analyzing behavior patterns; the importance of man's biological inheritance, and the significance of social environment in influencing human living. Attention is given to the simpler techniques in psychological experimentation.

Ed. 300. Audio-Visual Education *2 semester hours*

Consideration of the need for sensory techniques and materials in the learning process with attention given to the psychological

principles involved. Acquaintance with and achievement of skills in specific techniques, materials, and equipment. Activities will include actual production of materials for classroom use and participation in their use.

Ed. 301. Pre-School Education *3 semester hours*

Study of pre-school and kindergarten children, of nursery school and kindergarten programs, materials, equipment and procedures, records and reports. Laboratory school experiences supplement reading and discussion of acceptable standards and teaching practices.

Ed. 302. Problems of Secondary Education

Including Guidance *3 semester hours*

This course is designed to acquaint students, who are preparing to teach on the secondary level, with the basic problems and responsibilities found within the framework of the entire school life. The following areas of secondary teaching are given consideration: the purpose of teaching, the role of the teacher, classroom management, place of the pupil, discipline, lesson planning, assignment procedures, unit teaching, the curriculum, the extra-curricular program, marking and evaluation, meeting individual differences, and using community resources. The course includes some phase of guidance and the core curriculum which is taught by using core techniques. Consideration is given to the essentials and principles of a guidance program and the role the teacher is expected to play within the overall guidance organization. Class excursions, readings, and committee reports augment the lectures.

Ed. 303. Creative Activities in the Elementary School

3 semester hours

Consideration of the guidance of children in creative learning and expression. Emphasis upon the child's needs to discover creative interests and upon the development of skills and refinements of taste needed for rich experience in art, music, and literature.

Ed. 306. Introduction to Guidance and Counselling

3 semester hours

A study of the techniques for analyzing the interests, aptitudes, and abilities of children and the methods for guiding them in making sound vocational choices.

Information will be gathered and studies made regarding a wide variety of occupational and professional areas.

Ed. 307. Diagnostic and Remedial Reading *3 semester hours*

Acquaintance with recent research in the field of reading to acquaint students with problems and needs common to incompetent readers and with the most successful materials and techniques for dealing with such problems. Demonstration and practice in testing, planning, and directing remedial programs with groups and individuals. Prerequisite: Teaching of Reading.

Ed. 309. Language Arts *9 semester hours*

Preparation of teachers for the development of the child's abilities in oral and written communication. Provides knowledge of the nature of reading processes and materials of instruction. Essential techniques and materials of language, including handwriting and spelling, to teach the child knowledge and skills in the fundamentals of oral and written communications. Children's Literature is explored to acquaint the prospective teacher with appropriate materials.

Ed. 310. School and Community *3 semester hours*

Study of group and intergroup activities and the role of the individual in the group; of community interests, needs, resources and problems; of teacher responsibility in community activities: professional, social, civic, religious, and political. Student participation in community activities is stressed.

Ed. 317. Teaching of Language Arts *3 semester hours*

Survey of the content of the curriculum in English in the elementary grades; methods of teaching oral and written composition, principles of grammar, poetry, and literature. The teaching of handwriting is part of this course.

Ed. 319. Teaching of Reading *3 semester hours*

Scientific aspects of reading and problems in the teaching of reading in all elementary grades. Presentation in theory and practice, from careful examination of research and from observation. Opportunity for the student to acquaint himself with a variety of modern reading materials and with approved techniques in their use. Problems of disability and their treatment.

Ed. 320. Social Studies and Geography *3 semester hours*

A course designed to acquaint students with up-to-date methods of teaching social studies and geography as an integrated program in the new elementary curriculum. It is a survey of methods and

techniques, stressing the profitable use of community affairs and resources, and the development of good civic attitudes in social living. It considers techniques in the use of maps, specimens, pictures, and other tools of learning which are of special value in social studies and geography. The course gives actual experience in the analysis of current events, the organization of projects and field trips, and the development of units of work with respect to the various grade levels in the elementary school.

Ed. 330. Teaching the Exceptional Child *3 semester hours*

The study of atypical children who need help in order to adjust and succeed to the extent of their capacity. Students are guided in recognizing, understanding and dealing with the additional needs of the physically or mentally handicapped child and the superior child, and in fostering their social and emotional development. Attention is directed to the selection of learning aids and materials and the adaptation of teaching techniques in the normal classroom situation. Pre-requisite: General Psychology.

Ed. 350. Educational Psychology *3 semester hours*

The nature of the learning process with emphasis on the application of the principles of psychology to the problems of learning and teaching. An important aspect of the course is the study of actual classroom problems and procedures by observation of regular work and by special illustrative demonstrations in the laboratory school. Prerequisite: General Psychology.

Ed. 351. Human Development (Childhood) *3 semester hours*

Three main strands comprise this course: methods of studying children and observation of children in various situations; aspects of growth in childhood (physical, mental, emotional, and social) and their inter-relationship; and characteristic development and behavior at various age levels from birth to adolescence.

Ed. 352. Human Development (Adolescence)

3 semester hours

This course is concerned with a practical understanding of personality development, maturation, and problems of the adolescent. Attention is given to the inter-relationship of physical, emotional, and social growth within the context of such social institutions as the home, school, and community. Prerequisite: General Psychology.

Ed. 353. Child Adjustment*3 semester hours*

Application of the principles of mental hygiene to the problems of elementary school children in home, school and community. Emphasis is directed toward an understanding of the causative factors in children's behavior, an intensive study of emotional development, and a critical analysis of typical classroom situations.

Ed. 370. Mental Hygiene*3 semester hours*

This course attempts to analyze the individual from several standpoints according to the principles of mental hygiene. The practical phase of the course is the application of these principles to the individual's problems of adjustment to the school and society. Field trips are also included in the course content.

Ed. 380. Ethics*3 semester hours*

The course in ethics is concerned with the development of principles of right conduct and practical systems of social morality. It has to do with the human values and the development of moral standards both for the individual and society. Basically it seeks answers to such moral problems as the following: What conduct shall we choose and from what shall we refrain? What shall we fight for and what against? The methods used will involve lectures, discussions, readings, and reports.

Ed. 400. Professional Practicum Including School Law*2 semester hours*

Methods and practices of teaching; general techniques of teaching and techniques for the students' special fields; Pennsylvania school laws relevant to the work of the classroom teacher; problems encountered by the students in their student teaching.

Ed. 401. Problems of Elementary Education*3 credits*

This course deals with the educative process as a functional relationship between the learner and his environment aided by organized learning situations. An attempt is made to draw together all the methods in terms of basic curriculum principles for the modern elementary school. Such important areas of study will be concerned with the first day of school, getting started in organizing learning activities, classroom organization, reporting to parents, working with the staff, philosophy of the elementary school, grouping, keeping records, preparation of materials and putting Bulletin 233-B into practice.

**Ed. 410. Student Teaching and Direction
of Student Activities***12 semester hours*

Observation and participation in all teaching and activities related to the performance of a teacher's work, in the area of the student's specialization.

Ed. 441W. Elementary Education Workshop*4 semester hours*

A course designed for college graduates and teachers-in-service. Newer ideas and practices in teaching are evaluated. Materials of instruction and courses of study are examined. Opportunity is given enrollees to work on individual and group problems. Children are observed in the Campus Demonstration School. Course is offered in the regular summer session.

Ed. 451. Tests and Measurements in Guidance*3 semester hours*

A survey of testing materials and procedures with emphasis on the interpretation and application of results for pupil guidance purposes. Areas studied will include examination of various types of testing materials, criteria for selection, techniques for summarizing data, organization, administration, and evaluation of the testing program. Pre-requisite: General Psychology.

Ed. 480. Introduction to Philosophy*3 semester hours*

This course is divided into three distinct categories: (1) a discussion of the meanings and implications of the outstanding philosophies of ancient and modern times, consideration being given to Idealism, Realism, Pragmatism, Personalism, Impersonalism, Thomism, Skepticism, Axiology, and Humanism; (2) a comparative analysis of the corresponding works of philosophers whose fundamental beliefs place them into one of the above categories; and (3) a discussion of the relation between philosophy and modern life with the ultimate aim that each student will develop a personal overall philosophy. A partial fulfillment of the course requirement will include selected readings of the works of the most outstanding ancient and modern philosophers.

ENGLISH AND FOREIGN LANGUAGES DEPARTMENT

DR. SLAGLE, *Head of the Department*

Miss Tyson, Miss Ramsey, Mr. Thomas, Dr. Berry, Mr. Clokey, Dr. Binney, Mr. Landrum, Miss Ortlip, Mrs. Faucett, Dr. Goulet, Dr. Bailey, Mr. McEntire

Eng. 101-103. Communication I *5 semester hours*

A study of communication providing both vicarious and direct development of abilities for personal expression. Extensive practice in reading, speaking, and writing in the language and form appropriate to social and professional situations, and instruction in the use of formal and informal discussion techniques. Library usage, taught by a member of the library staff, to orient the student to the resources and use of the college library.

Eng. 102-104. Communication II *5 semester hours*

A second semester's work in communication, including the refinement and extension of skills and techniques of Communication I, with special emphasis on the basic reading and writing skills appropriate to the various fields of learning. Prerequisite: Communication I.

English Composition

Eng. 101. English I—Grammar *3 semester hours*

Review of grammar in detail, analysis of construction, functional practice in mechanics of English; vocabulary study and spelling. The writing and analysis of brief compositions for structural faults and errors in diction. Library Usage, a separate unit in addition to English I—an introduction to the use of the library—taught by a member of the college library staff.

Eng. 102. English II—Composition *3 semester hours*

Study and application of the laws of composition; methods and types of exposition; description and narration; paragraph and theme writing; analysis of literary samples; book reviewing; outlining; detailed study of techniques of research and the writing of an original research paper. Continued functional practice in mechanics. Prerequisite: English I.

Eng. 103. Speech *2 semester hours*

Study and application of fundamental principles of effective speaking; training in selection, organization, and development of material suitable for speeches; analysis of voice; emphasis on per-

sonality adjustment as related to speaking-listening situations; and vocabulary building. Special emphasis also given to group discussion and parliamentary procedures.

Eng. 104. Reading

2 semester hours

Emphasis upon improvement of general reading with special consideration upon choosing central ideas and upon directive and comprehensive aspects of silent and oral reading.

Eng. 211. Journalism

3 semester hours

The organization, management, and supervision of the content of school publications; the preparation of school publicity materials and the development of journalistic style through practical participation in journalistic activities.

Eng. 312. Advanced Composition

3 semester hours

Advanced experience in writing through the preparation of reviews, digests, and critical reports, employing expository, descriptive, and argumentative techniques.

Eng. 313. Creative Writing

3 semester hours

An advanced course for students of marked ability in the creative processes of writing. The development of creative ability, the improvement of the student's own style, and the furnishing of methods and materials for the teaching of composition in the secondary schools.

Eng. 314. English Philology and Grammar *3 semester hours*

A course introducing students to the historical study of the development of modern English and the discernible trends in language today through the use of exercises in phonetics, etymology, and dictionary usage.

Eng. 315. Teaching English in Secondary Schools

3 semester hours

A review of the content of language-arts requirements of the secondary school, with special reference to grade-placement with adaptation of materials, appraisal of results, and the development of programs of study.

Literature

Eng. 221. General Literature I

3 semester hours

An introduction to literature providing opportunities for intensive reading in a wide variety of literary figures. The purpose

is to familiarize students with the development of human thought as it has been expressed in Western literature from Homer to Shakespeare.

Eng. 222. General Literature II *3 semester hours*
Milton to the present.

Eng. 223. American Literature *3 semester hours*
A survey of representative American writings from Colonial times to the present, particular attention being given those writings which best exemplify democratic ideals and national character.

Eng. 224. English Literature I *3 semester hours*
English literature surveyed from Anglo-Saxon times to Robert Burns, with emphasis on recognized major works. Two basic aims: (1) to develop broader knowledge of the growth of English Literature and its relation to historical movements, and (2) to provide wide reading for more intelligent appreciation.

Eng. 225. English Literature II *3 semester hours*
English literature surveyed from Robert Burns to the present.

Eng. 326. American Poetry *3 semester hours*
An examination of the nature, form, and function of verse as exemplified by representative American poets, with particular reference to social backgrounds and national ideals.

Eng. 327. American Prose *3 semester hours*
A study of the development of national ideals as expressed by representative prose masterpieces, with extensive critical reading in current periodicals as well as intensive study of great works of the past.

Eng. 328. Children's Literature *3 semester hours*
An introduction to important children's books, old and new, and to techniques for the presentation of book material, the encouragement of wide reading of juvenile literature and provision of criteria for and experience in the evaluation of children's books.

Eng. 331. Pre-Shakespearean Literature *3 semester hours*
A study of the cultural background of the English-speaking race, its folk-ways, legends, balladry, and history, particularly, as reflected in *Beowulf*, the Arthurian cycle, Chaucer, and Spenser.

Eng. 332. Shakespeare *3 semester hours*

A study of selected comedies, tragedies, and histories by Shakespeare, together with the social, historical, and literary background necessary for their full appreciation. Particular reference to those plays most frequently included in secondary school curricula.

Eng. 333. Eighteenth Century Literature *3 semester hours*

A critical consideration of significant eighteenth-century writers with emphasis upon the struggle between tradition and revolt as reflected in the works of the representative writers of the period.

Eng. 334. The Romantic Movement *3 semester hours*

A study of Wordsworth, Coleridge, Byron, Shelley, Keats, and their contemporaries in the light of social background and biographical and critical doctrine.

Eng. 335. Victorian Literature *3 semester hours*

A study of Victorian culture as the reflection of conflict and compromise through its interpretations by poets and essayists of the period with particular reference to the writing of Ruskin, Newman, Mill, Huxley, Arnold, Tennyson, and Browning.

Eng. 341. The Novel to 1870 *3 semester hours*

A study of the rise and development of the novel in English from its predecessors of the eighteenth century to Hardy and Mark Twain. The reading of a selected list of novels for analysis with a view to cultivating an appreciation of this dominant literary form.

Eng. 342. Contemporary Novel *3 semester hours*

A study of modern and contemporary movements in fiction, based on the critical reading and analysis of English and American novels published since 1870.

Eng. 343. Contemporary Poetry *3 semester hours*

An examination of representative poetry published since 1870 in both England and America and a study of forms, aspects, and tendencies in contemporary verse, with particular reference to poetry as a criticism of modern life.

Eng. 344. Modern Drama *3 semester hours*

A comprehensive view of the best dramatic literature of modern European, American, and British theatre since 1890 presented through lectures, discussions, and experiences related to the contemporary stage.

Eng. 345. Criticism*3 semester hours*

An historical study of literary criticism and aesthetic theory, with emphasis upon romanticism and classicism of critical canon.

Eng. 346. Essay*3 semester hours*

A study of the history and development of the essay as a distinctive literary form, together with readings in current periodical non-fiction, and provision for opportunities for self-expression through writing.

Eng. 347. Literature of Biography*3 semester hours*

A study of the historical development of biographical writing with readings from Plutarch, Boswell, Carlyle, Macaulay, Strachey, Bradford, Ludwig, and standard and contemporary biographers.

Eng. 348. Short Story*3 semester hours*

A study of the development of the short story as a distinct and popular current literary form through its history and technique. The investigation of recent tendencies and the encouragement of wide reading in current periodicals.

Eng. 351. Play Production*3 semester hours*

A fundamental course in the theory and practice of acting and directing experiences designed to stimulate the cultural and social development of the student and to aid the prospective teacher who will be called upon to produce plays. Text material in technique, reading and discussion of examples of dramatic literature, and laboratory practice in life study, pantomime, interpretation of lines, and the production of one-act plays.

Eng. 352. Dramatics in the Elementary Grades*3 semester hours*

A course dealing with the techniques of dramatic-play, dramatization, and play production. Discussion of the educational principles underlying the choice of the form to be used with children in the kindergarten and elementary grades.

Eng. 353. Speech Problems*3 semester hours*

A survey course introducing students to the various speech problems common to children in the public schools. Emphasis is placed upon the theory of the symptoms, causes, and remedial treatments used by the classroom teacher in improving the speech of all children.



AIR VIEW OF MAIN CAMPUS

Eng. 354. Choral Speaking*3 semester hours*

A course aiming, through the communal voicing of poetry, to stimulate appreciation, interpretation, and artistic expression of poetry; to demonstrate the educational and social value of unison speech; and to train choral leaders in the techniques of choir conducting and in the selection and treatment of materials.

French**Fr. 101-102. Elementary French***6 semester hours*

A course designed to give a broad understanding of the French language, life, and culture. Functional language through conversation, records, and easy reading texts.

Fr. 103. French Composition*3 semester hours*

A review of the essential principles of grammar and idiomatic usage. Extensive reading of modern representative prose as the basis for continuous oral and written practice. Prerequisites: French 101 and 102 or two years of secondary school French.

Fr. 104. French Conversation*3 semester hours*

Training in oral self expression through vocabulary building and oral exercises based on material dealing with French life and customs. Prerequisites: French 101 and 102 or two years of secondary school French.

Fr. 201. Survey of Literature*3 semester hours*

The development of the main currents of French literature from its origins through the seventeenth century by means of reading and interpretation of selected texts. Prerequisites: French 103 and 104.

Fr. 202. Survey of Literature*3 semester hours*

A study of men and ideas of the eighteenth century through the analysis of texts, outside reading, and reports. Prerequisites: French 103 and 104.

**Fr. 301. Advanced Language
and Techniques***3 semester hours*

French phonetics and literary style from the standpoint of practical applications to French language teaching. Prerequisites: French 201 and 202.

Fr. 302. French Drama*3 semester hours*

A reading of the masterpieces of Corneille, Moliere, and Racine after a consideration of the early history of the drama. Prerequisites: French 201 and 202.

**Fr. 303. French Literature of the
Nineteenth Century***3 semester hours*

The development of romanticism, realism, and naturalism and the movements of reaction in poetry, drama, and the novel. Prerequisites: French 201 and 202.

Fr. 401. French Novel*3 semester hours*

A reading and discussion in the native language of representative novels from the eighteenth, nineteenth, and twentieth centuries. Prerequisites: French 201 and 202.

Latin

To specialize in Latin, students must present not less than two years of secondary school Latin or Beginning Latin I and II and demonstrate competence to specialize in this field. Beginning Latin I and II will not be credited toward a Latin teaching field.

Lat. 101. Beginning Latin I*3 semester hours*

A course for students who have had no previous Latin, consisting of a study of the fundamentals of syntax, of vocabulary building, and of sentence structure. The reading of easy Latin. The significance of Rome to our times through lectures and outside reading. No credit allowed until the completion of Beginning Latin II.

Lat. 102. Beginning Latin II*3 semester hours*

A continuation of Beginning Latin I. The study of form, of syntax, and of vocabulary begun in the preceding semester with emphasis upon the relationship of English and Latin. Reading in the Latin word order to repeat vocabulary, forms, and syntax. The use of many supplementary materials—pictures, slides, songs, and word derivations—in each course. A study of Roman mythology.

Lat. 103. Ovid and Virgil*3 semester hours*

A course combining the study of Ovid with a review of mythology and including a study of the meter of Ovid and Virgil and Latin pronunciation. Emphasis on structure to review forms and syntax and to afford an opportunity for the discussion of the methods of presenting the essentials of Latin grammar to high school students.

Lat. 104. Livy *3 semester hours*

A short review of Roman military tactics as seen in the Punic and Gallic wars; a presentation of various methods of teaching vocabularies.

Lat. 201. Cicero and Tacitus *3 semester hours*

A course based upon Cicero's "De Amicitia" and "De Senectute" and selections from Tacitus; a presentation of Roman philosophical systems, Roman religious customs, and Roman training for public life. Variance in the type of assignment in order that the course may offer definite ideas for the handling of reading material in high schools.

Lat. 202. Horace *3 semester hours*

A course emphasizing the influence of Horace upon world literature and including an analysis of Sapphic and Alcaic verse forms, the readings forming the point of departure for a thorough study of Roman private life and social customs.

Lat. 301. Plautus and Terence *3 semester hours*

In connection with this introduction to Latin drama, the course includes a special study of Roman amusement, holidays, and dress. Once a week an hour is devoted to the discussion of current magazine articles on modern methods of teaching Latin and to special reports from student teachers.

Lat. 302. Roman Civilization *3 semester hours*

A survey course concerning the development of Latin literature from its origin, but placing emphasis only on those authors not previously read: Lucretius, Catullus, Martial, Tacitus, Juvenal, Pliny. A unit in methods consisting of a discussion of text books for high schools and the preparation of bibliographical material on the teaching of Latin.

GEOGRAPHY DEPARTMENT

DR. KEINARD, *Head of the Department*

Mr. Benner, Mr. Hawthorne, Miss Wiant, Dr. Langdon.

Geog. 101. World Geography *3 semester hours*

A course to develop a knowledge and appreciation of patterns of the natural environment throughout the world such as patterns of climate, soil, vegetation, and man's adjustment to them, with special emphasis upon man's economic and cultural responses.

**Geog. 102. Geography of the United States
and Pennsylvania***3 semester hours*

A comprehensive treatment of the adjustment of the people of Pennsylvania and the United States to the physical factors—structure, relief, climate, vegetation, soils, and natural resources—which help to explain the distribution of population, land use, products, and trade within the United States and with other parts of the world. Prerequisite: World Geography.

Geog. 201. Conservation of Natural Resources*3 semester hours*

A course dealing with the present problems in the conservation of our natural resources of land, water, plant, animal life, and mineral deposits, ways of solving these problems, and the wise use of these resources.

Geog. 202. Geography of United States and Canada*3 semester hours*

A regional study of the United States and Canada relative to man's adjustments to his environment as determined by the physical factors of climate, vegetation, relief, and soils. Recognition of the political adjustments to the geographic environment and the inter-relations between the two countries and the rest of the world. Prerequisite: World Geography.

Geog. 203. Economic Geography*3 semester hours*

Develops an understanding of world patterns of producing and consuming regions, population distribution, and world trade routes and the related natural factors. It also deals with the application of this information on securing a fundamental understanding of national and international problems.

Geog. 204. Geography of Pennsylvania*3 semester hours*

A regional study of Pennsylvania, emphasizing man's cultural and economic responses to environmental factors. Special attention is given to the resources of the state, analyzing their extent, their use, and need for their conservation, and the regional planning program for the Commonwealth.

Geog. 205. Physiography*3 semester hours*

A study of various land forms, soils, and minerals; their origin, their changes, and their relation to man. Prerequisite: World Geography.

Geog. 206. Meteorology*3 semester hours*

Meteorology is a study of the atmosphere. This course analyzes the laws and underlying principles of atmospheric changes. An opportunity is given for students to become familiar with common weather instruments, to read and interpret weather maps, to observe and record weather data, and discuss problems rising from the use of the atmosphere as a medium of travel and transportation. Prerequisite: World Geography.

Geog. 207. Geography of Europe*3 semester hours*

A course which aims to help students acquire an ability to look for, find, and apply the geographic relationships underlying land uses, dominant international problems, and boundary disputes, thus enabling students to obtain an unbiased understanding of the economic problems of Europe. The Soviet Union is not included in this course. Prerequisite: World Geography.

Geog. 208. Geography of Latin America*3 semester hours*

A regional study is made of Middle and South America, emphasizing man's responses to environmental factors such as climate, landforms, resources and the like. Special emphasis is given to regional differences and similarities. Latin American relations with other nations, especially with the United States, are stressed. Prerequisite: World Geography.

Geog. 209. The United States in Its Global Relationships*3 semester hours*

This course deals with the changing economic patterns within the United States that are developing to meet the new economic and strategic situations in the rest of the world. The geography of the United States will be analyzed in its world relations with emphasis on our interdependence with the world of nations, both politically and economically.

**Geog. 210. Geographic Influences in
American History***3 semester hours*

A study of the relationships of the natural geographic factors in the settlement, development and progress of the United States from the time of discovery to its present day position as a world power. Major emphasis is placed upon the United States although illustrations are drawn from various countries. Prerequisite: World Geography.

Geog. 301. Geology *3 semester hours*

A course dealing with landscapes in their relation to the structure of the earth's crust, and the work of earth forces and their effects on materials, structure, and physiography of the earth's surface features. Course work includes field work, study of rocks, minerals, and topographic maps.

Geog. 302. Climatology *3 semester hours*

A course primarily concerned with the climatic regions of the earth, and the limitations and advantages they offer for man's occupancy. The course is a valuable aid to students in world problems. Prerequisite: World Geography.

Geog. 303. Cartography *3 semester hours*

A course designed primarily to enable the geography major to attain proficiency in the use and interpretation of maps, models, globes, cartograms, and geographic diagrams. Selected map projections approached from the geographical rather than the mathematical point of view. The history of maps, the development of signs, symbols, and map scales, the construction of projections, graphs, and diagrams, and the application of each of these to the teaching of geography. Prerequisite: World Geography.

Geog. 304. Geography of Asia *3 semester hours*

A course comprising a study of the major geographic regions of the Soviet Union, Southwestern Asia, and India. Special emphasis is placed on the natural resources and their use, the peoples—their number and distribution, their cultural and recent cultural changes, strategic areas, and related political problems.

Geog. 305. Geography of the Far East *3 semester hours*

A study of Japan, China, the Philippines, Southeastern Asia, and the East Indies and an intensive investigation of the natural factors and man's adjustment to them in the geographic, economic, and political regions of Eastern Asia. The geographic background needed in planning solutions for raising standards of living, for the wise use and restoration of natural resources, and the industrialization of countries is presented. Prerequisite: World Geography.

Geog. 306. Geography of Africa and Australia*3 semester hours*

A regional study of Africa, Australia, and the neighboring islands showing the economic and social development of the regions

of these lands and their relationship to the physical environment and the political affiliations of these lands with other countries. The geographic aspects of the problems of colonies, land tenure, race, future land use, and the strategic importance of Africa are considered. Prerequisite: World Geography.

Geog. 307. Geography of the U. S. S. R.

(Including Satellite Countries)

3 semester hours

This course will include a study of both European and Asiatic U.S.S.R., with emphasis on the positive and negative factors in the geography of that country in relation to its strength and weaknesses as a major world power.

Geog. 308. Trade and Transportation

(Including Commercial Air Transportation)

3 semester hours

A study of transportation routes, ports, railroad centers, hinterlands, and trade relations between production areas and countries.

It also covers the development of commercial aviation. Policies such as governmental agreements, subsidies, control and use of air bases, the importance of Polar regions, and the Great Circle air routes are considered. Prerequisite: World Geography.

Geog. 309. World Problems in Geography

3 semester hours

A course considering some of the world problems which need a geographic background for understanding and solving them. Attention is given to boundary questions, the value and control of colonies, fishery agreements, problems concerning commercial aviation, world trade, the feeding of the world, control and development of natural resources, the making of the peace, and similar topics. Prerequisite: World Geography.

Geog. 310. Field Courses in Geography

(as approved)

3 semester hours

These courses, which involve the study of selected areas through the agency of travel and actual investigation, are arranged from time to time to suit the needs of the student groups. Prerequisite: World Geography.

Geog. 311. Teaching Geography in

Secondary Schools

3 semester hours

An intensive study of the modern techniques of teaching geography, geography materials, and current curricula in geography. Emphasis is placed upon the contribution of geography to the solv-

ing of national and world problems; the skills, habits, and attitudes to be gained from geography courses in the junior and senior high schools which aid in the development of world citizenship, the courses suitable for such groups, and the new books available at this level.

HEALTH AND PHYSICAL EDUCATION DEPARTMENT

DR. STURZEBECKER, *Head of the Department*

Miss Schaub, Miss Leach, Mr. Messikomer, Miss Yanisch, Mr. Davis, Mr. Twardowski, Mr. Reese, Miss Reed, Mr. Mitten, Miss Coates*, Dr. Cottrell, Mrs. Taylor, Mr. Cochran, Dr. Owens, Miss Pepper, Mr. Lorbach, Mrs. Giunta, Mr. Norris, Mr. Orloske.

Physical Activity Courses

H.E. 121. Athletics I *1 semester hour*

MEN: Emphasis is placed on individual sports and recreational activities which include: tennis, golf, volleyball, softball, tetherball, table tennis, handball, winter sports.

WOMEN: Foundations course stressing fundamental skills in field hockey; individual skills, team tactics, and officiating techniques in volleyball.

H.E. 122. Athletics II *1 semester hour*

MEN: A continuation of individual sports and recreational activities which includes bait and fly casting, archery, badminton, and fundamentals of track and field and softball.

WOMEN: Foundations course stressing fundamental skills in basketball, individual skills, game tactics, and officiating techniques in tennis.

H.E. 221. Athletics III *1 semester hour*

MEN: The first half will concern soccer rules, fundamental skills, techniques, drills, offensive and defensive patterns and methods of coaching. The second half of this course will cover fundamental skills of wrestling, techniques, strategy, scoring, rules, and theory.

WOMEN: Advanced fundamentals and team tactics in field hockey; fundamental skills, game tactics, and officiating techniques in badminton.

* Leave of absence, 1958-59

H.E. 222. Athletics IV*1 semester hour*

MEN: Basketball instruction in individual offensive and defensive fundamentals, drills and warm-up procedures, development of team play, various types of offenses and defenses, and specific coaching methods. In addition, instruction in basketball fundamentals and their relationship to offensive and defensive team play. Students will also study the rules, techniques, and procedures used in officiating basketball. Baseball is also given which includes the fundamentals, strategy, and theory of coaching.

WOMEN: Advanced fundamentals and team tactics in basketball; fundamental skills, team tactics, and officiating techniques in lacrosse.

H.E. 321. Athletics V*1 semester hour*

MEN: A theoretical and practical approach to the many phases of football including individual fundamentals, developing an offense, various defenses, the passing and kicking game. A comprehensive study of rules, techniques and procedures associated with football officiating.

WOMEN: Methods of teaching, officiating techniques, and practical experience in field hockey and basketball.

H.E. 322. Athletics VI*1 semester hour*

MEN: Principles of organization, administration, and supervision of intra-mural and secondary school athletic programs. Instruction to include facilities and equipment, routine procedures, budget and finance, legal liability, scheduling and public relations.

WOMEN: Development of individual skills in archery and golf; fundamental skills, team tactics, and officiating techniques in softball; fundamental skills in track and field events, methods and procedures for conducting meets.

H.E. 111. Gymnastics I*1 semester hour*

MEN: An introductory course in fundamentals on marching, gymnastic exercise, and games.

WOMEN: Motor ability tests, soccer, speedball. An introductory course in calisthenics and marching tactics, games.

H.E. 112. Gymnastics II*1 semester hour*

MEN: An introduction to elementary heavy apparatus, stunts, and tumbling.

WOMEN: Apparatus for beginners, application of playground apparatus, stunts, tumbling and pyramids for different age levels in the elementary school.

H.E. 211. Gymnastics III *1 semester hour*

MEN: Preparation for teaching of elementary physical education programs; singing games, story plays, self testing activities, teaching of elementary games; a unit on playground apparatus and specific stunts on apparatus and tumbling.

WOMEN: Teaching of calisthenics and marching tactics, advanced apparatus and tumbling.

H.E. 212. Gymnastics IV *1 semester hour*

MEN: Practice in advanced heavy apparatus, stunts and tumbling.

WOMEN: Physical education activities for the elementary school, games, relays, sidewalk activities, story plays, singing games, methods of teaching.

H.E. 311. Gymnastics V *1 semester hour*

MEN: Preparation for teaching of secondary physical education programs; voice training, class practice teaching of marching gymnastic exercises and games, development of activity lesson plan.

WOMEN: Rhythmical exercises with and without hand apparatus, planning and executing special events such as May Days, Festivals, Sports Days, Assembly Programs, Field Days.

H.E. 312. Gymnastics VI *1 semester hour*

MEN: Special forms of gymnastic activities including rhythmical exercises, trampoline, elephant vaulting, combinations on apparatus, and a unit on pageants, exhibitions, and demonstrations.

WOMEN: Building the physical education program, grades 1-12—content appropriate to each grade level, progression, seasonal units, activity units, lesson plans, voice training. Games, including recreational games at the secondary level, methods of teaching.

H.E. 241. Dancing I *1 semester hour*

A study of the place of dancing and rhythmical activities in the school physical education program with particular emphasis on clog, tap, and elementary folk dancing. The course includes a study of the fundamentals of movement, music, and rhythm and their re-

lationship to each other; child rhythms, and folk dances suitable for elementary school children; suggested teaching methods.

H.E. 242. Dancing II *1 semester hour*

Co-recreational activities will be emphasized. The activities will include square and country dancing, folk dancing, and social dancing. Students develop personal skills and learn methods of teaching and curriculum sources of dancing programs.

H.E. 131. Aquatics I *1 semester hour*

MEN: Diagnosis, study, and practice of the basic swimming strokes; introduction to diving and competitive swimming; study of speed swimming strokes, racing starts, turns, and relay races; floating and endurance swimming; aquatic games, races, stunts, and exhibitions; introduction to recreational aquatics and synchronized swimming formation.

WOMEN: Instruction in the nine basic styles of swimming and elementary diving; methods of teaching the various classifications of swimmers; pool maintenance and sanitation; aquatic activities such as water games, aquatic ballet, synchronized swimming, and officiating techniques.

H.E. 132. Aquatics II *1 semester hour*

MEN: The philosophy of life saving and the responsibility of guarding the lives of bathers and swimmers; diagnosis, study, and practice of life saving skills and techniques; discussion of floating supports, canoeing, boating, use of the paddle board, and planning and supervision of waterfront activities in recreation programs. Successful completion of this course will enable the student to receive senior life saving certification by the American National Red Cross.

WOMEN: Continued instruction and perfection of the nine basic styles of swimming; experience in teaching elementary swimming strokes; senior life saving instruction. Successful completion of this course will enable the student to receive senior life saving certification by the American National Red Cross.

Health Education Courses

H.E. 151. Hygiene *3 semester hours*

This course is designed to help students to acquire a background of scientific health knowledge and develop an interest in modern scientific developments in the field of personal and public

health; to establish high standards of personal living and develop desirable attitudes toward healthful living through the study of principles and practice of personal hygiene and to realize that personal health, child welfare, and public health are the responsibility of every citizen.

H.E. 152. First Aid—Athletic Training and Conditioning

2 semester hours

The responsibilities and duties of the teacher and coach with respect to the prevention of accidents and injuries in the physical education program. Attention will be given to first aid measures, taping for prevention of injuries, and general safety procedures. Principles of athletic training and conditioning are included. A unit of practical experience in the preparation and direction of first aid contests in the school and in the community is included.

H.E. 261. History of Physical Education

2 semester hours

A study of the changing conceptions of physical education of many past ages and cultures so as to provide a foundation for the philosophy, principles, curriculum, organization and administration, methods, and trends of modern physical education.

Anatomy and Physiology I and II

(See Bi. Sci. 261 and 262)

6 semester hours

H.E. 361. Tests, Measurements and Guidance in Health and Physical Education

3 semester hours

Experience in selecting, administering, scoring, and evaluating physical activity tests of physical fitness, general motor ability, motor educability, and skill and knowledge in sports. Competency in the use of elementary statistical procedures of objective learning and testing. Pre-requisite: Educational Psychology.

H.E. 351. Human Development

3 semester hours

Problems related to health service and healthful environment in elementary and secondary schools; experience in building and teaching units of instruction in health for boys and girls. Students will have completed their curriculum materials instructional aids file as a pre-requisite for student coaching in the senior year. Pre-requisites: Hygiene, Anatomy and Physiology I & II, and General Psychology.

H.E. 352. Methods and Materials in Health Education*3 semester hours*

A comprehensive study of school health services, healthful school environment, and school health instruction. The major emphasis is on the teaching of health, including the latest methods and materials, and the construction of lesson plans, units, and other teaching aids. Students will complete their files of curriculum materials and instructional aids as a prerequisite for student teaching.

H.E. 362. Physical Education for the Elementary Grades*3 semester hours*

The students will be assigned to elementary schools in the service area for observation and teaching in physical education. This will involve all the games and relays, self testing activities, rhythms and dances suitable for the growth and developmental needs of the elementary school child. A weekly seminar will be held to discuss the theory and problems involved in elementary physical education.

H.E. 363. Applied Physiology*2 semester hours*

A functional course applying physiological principles of neuromuscular activity to the frame of reference of the physical educator. A clinical approach will be taken to acquaint the student with basic aspects of theories of neuromuscular coordination and motor learning, strength development, endurance, and the analysis of human motion. Pre-requisites: Human Anatomy and Physiology I and II.

H.E. 364. Organization and Administration of**Physical Education***3 semester hours*

Principles of program building in physical education and athletics, curricular and extra-curricular; facilities and equipment, routine procedures, budget and finance, legal liability, and public relations. Pre-requisite: Tests, Measurements and Guidance in Health and Physical Education.

H.E. 365. Physical Activities for Atypical Children I*2 semester hours*

A course presenting to the student a method of teaching which will motivate the atypical student to improve not only his physical condition, but also his outlook on life. This course deals with the sport phase of the education of the handicapped through the use of adapted sports programs.

H.E. 461. Physical Activities for Atypical Children II*2 semester hours*

A course concerned with the modern concepts of the therapeutic exercise phase of physical education in the prevention and correction of common handicapping conditions. The student is furnished with adequate information and guidance for giving the handicapped individual the proper type and amount of physical education to meet his needs and capacity.

H.E. 462. Principles of Recreation*2 semester hours*

Historical background of the present play movement; theoretical explanations of play; the need for play in modern life and its place in education and recreation; the fundamental principles and methods of recreation leadership.

H.E. 463. Principles of Coaching*3 semester hours*

Principles and methods of coaching sports in the school program; problems of the coach with regard to psychology of handling a team, training, motivation, and schedule planning; bridging the gap between knowing how to play and the functions of coaching.

**H.E. 471. Student Teaching and Direction
of Student Activities***12 semester hours*

Observation and participation in teaching situations in the elementary grades and in the junior and senior high school under qualified cooperating teachers. Professional conferences and visitations are provided throughout this teaching semester which may be taken in the fall or spring term of the academic year depending upon administrative planning.

H.E. 472. Professional Practicum Including School Law*2 semester hours*

Accompanying student teaching an undergraduate seminar will be required. This will include a study of problems met in the teaching semester and a review of those sections of the Pennsylvania School Law pertinent to teaching activities in the major field.

ELECTIVE COURSES**ELECTIVES IN "EDUCATION FOR SAFE LIVING (HIGHWAY SAFETY AND GENERAL SAFETY EDUCATION)"****H.E. 481. Introduction to Safety Education** *3 semester hours*

The importance of safety education in modern living. Methods of overcoming the hazards present in the home, school, community, industry, and traffic. How to teach safety habits and attitudes.

H.E. 482. Driver Education and Training *3 semester hours*

Classroom study of personal characteristics bearing on driving, use of various types of tests, and techniques of teaching beginning drivers. Road instruction on the use of dual control cars in the teaching of safe driving. Prerequisite: Driver's license. May be taken for no credit by holders of learner's permits.

H.E. 483. Psychology of Accident Prevention *3 semester hours*

A study of methods for developing attitudes toward safety; the part played by personality and emotions in accidents.

H.E. 484. Methods and Materials in Safety Education*3 semester hours*

Methods of teaching safety and subject matter placement in the elementary and secondary schools. Source material and measuring the results of safety education. Prerequisite: Introduction to Safety Education.

H.E. 485. Organization and Supervision In Safety Education*3 semester hours*

History, philosophy, and basic principles of organization and administration of safety education. Organization and supervision of safety education in the public schools, including program planning. Legal aspects in the administration of school safety. Prerequisite: Introduction to Safety Education.

ELECTIVES IN RECREATION**H.E. 366. Organization and Administration of Recreation***3 semester hours*

Policies and procedures which are essential in the promulgation of recreation programs on local, state, and national levels. This includes visitations to and evaluations of recreation centers in operation. Students will be given opportunities to plan and administer recreational projects. Prerequisite: Principles of Recreation.

H.E. 464. Supervised Recreation Leadership*4 semester hours*

Students will have guided experiences in active leadership in the various recreational programs of our immediate area. A one-hour practicum will be held each week to discuss problems and principles of Recreational Leadership.

H.E. 367. Arts and Crafts in Recreation *3 semester hours*

Theoretical and practical applications in the use of arts and crafts materials as a means of furnishing channels for recreative outlets for all age groups. Opportunities will be given to work in the various media customarily found in school and community recreation programs.

H.E. 368. Music in Recreation *3 semester hours*

A study of the many phases of recreational music as an effective leisure time activity for all age groups in communities, camps, playgrounds, and recreational centers; an understanding of the functions of the recreation leader in the music phase of the recreation program.

Specific activities in which students will participate are as follows: community singing and conducting, rounds, contra songs, action songs, making stereoptican slides for group singing, playing simple instruments such as the tonette or song flute, making rhythm band instruments, playing in and conducting a rhythm band, producing musical puppet shows, simple operettas, setting up the organization for the advanced listening, singing, and playing program.

H.E. 369. Dramatics in Recreation *3 semester hours*

The place of dramatic activities that meet recreational needs of all groups as either participators or spectators of the activities. Emphasis will be placed upon the appropriate plays and other dramatic media that fit all age levels in any community.

H.E. 370. Camping and Outing *3 semester hours*

A program including both theory and practice in all the elements of camping and outing programs. The student will gain an insight into these activities from the viewpoints of the camper, the counselor, the supervisor, the specialist, and the director.

H.E. 331. Advanced Aquatics *2 semester hours*

Leadership procedures in all aquatic activities found in the public school program and in school camps. The student will have an

opportunity to qualify as a waterfront safety instructor and will study problems in organization and administration of aquatic programs. There will be a complete analysis of all swimming strokes and life saving techniques.

H.E. 341. Modern Dance *2 semester hours*

This course is designed to prepare teachers in all elements of Modern Dance Activities that are employed in the Public School Program. The student is thoroughly grounded in fundamentals and teaching techniques of Modern Dance on the Elementary and Secondary levels. Opportunity for creative work is provided.

H.E. 353. Advanced First Aid *2 semester hours*

A study of advanced first aid techniques and the methods and procedures for teaching first aid; problems of safety in home and school. Successful completion of this course will qualify the student for an instructor status. Pre-requisite: First Aid.

ELECTIVES IN PHYSICAL THERAPY

H.E. 392. Introduction to Physical Therapy *2 semester hours*

An introductory course for men and women students anticipating matriculation in a post-graduate school of Physical Therapy. Major emphasis will be placed on correlating selected basic biological and physical science information relative to the practice of Physical Therapy. Pre-requisites: Anatomy and Physiology I and II, Applied Physiology, and Physics.

H.E. 491. Seminar and Observation in Pre-Physical Therapy *3 semester hours*

A course designed to provide the pre-physical therapy student with a general overview of the physical therapy profession and related fields of physical therapeutics. Students will spend one clock hour per week in a classroom seminar and eight hours per week in a rotational plan of visitations to and observation in recognized public physical therapy clinics and public school programs of remedial physical education. Pre-requisites: Introduction to Physical Therapy.

GENERAL ELECTIVE

H.E. 451. Community and School Health Education Workshop *3 semester hours*

A study of common problems in the home, community, and school health education areas. A five-point program is as follows:

to provide in-service training in health education; to stimulate and promote an effective follow-up program in health services; to coordinate the efforts of allied health agencies; to stimulate and promote interest in local health units; and to develop an awareness of the place of mental health in the total health program of the home-school-community.

**Health and Physical Education for Elementary,
Secondary, and Music Students**

For Elementary Curriculum Students

H.E. 101. Physical Education I *1 semester hour*

Introducing the student to an extensive program of recreational athletics having a high potential carry-over into post-college life. Included are archery, badminton, basketball, hockey, soccer, softball, speedball, swimming, tennis, and volleyball.

H.E. 150. Health *2 semester hours*

A course designed as an integrative experience in personal health education for the freshman student. The primary areas include: mental and emotional adjustment to the college environment, family relationships factors influencing physiological health, and the college student as an intelligent appraiser of health practices and fads.

H.E. 201. Physical Education II *1 semester hour*

Continuation of individual activities with a gradual emphasis placed upon those physical activities which elementary children enjoy. The basic organization of the physical education program in the modern elementary schools is reviewed. Basic principles in teaching children how to play simple games and relays and those other recreational activities that are associated with this age group. Opportunities for lesson planning and teaching are provided for in a practical manner. The ability to plan for and direct the practical "recess" period in the elementary school program will be a main objective for each student.

H.E. 202. Physical Education III *1 semester hour*

The place of fundamental rhythms, creative rhythms, singing games, and folk dances on the elementary level will challenge the student. Personal skills in these areas will develop and each student will assume the leadership in directing these activities in class situations. The use of dancing activities for demonstrations and pageants will be studied.

H.E. 350. Health For the Elementary Grades*2 semester hours*

A course based upon the premise that health education is not a subject but rather a way of living. Special emphasis placed upon the development of sound principles and procedures in meeting the different needs of the child in relation to the school, home, and community. Elementary health courses of study will form the basic point from which each student will explore content and methods for making a sound total health education program. The inter-relationship of health education with all fields in the modern elementary program will be a focal point of attention.

For Secondary Curriculum Students**H.E. 104. Physical Education I***1 semester hour*

A wide variety of experiences in athletic games contemporaneous to college age levels will initiate the program. An introduction to those activities which have carry-over value into adult life will be the center of interest. These include soccer, speedball, hockey, basketball, swimming, softball, and tennis.

H.E. 150. Health*2 semester hours*

The same as Health for Elementary Curriculum Students.

H.E. 204. Physical Education II*1 semester hour*

Further experiences in individual sports will be offered including not only the learning of skills for personal enjoyment but also developing an elementary ability to help direct these in the modern secondary school recreational program. These include archery, badminton, bowling, golf, quoits, horseshoes, shuffleboard, tether ball, and winter sports.

H.E. 205. Physical Education III*1 semester hour*

Rhythmical activities that are of great interest to secondary schools will be offered. These include social, folk, square, and country dancing. Emphasis will be placed upon both the development of individual skill and the ability to help direct these activities as a feature of the recreation program in schools.

For Music Curriculum Students**H.E. 107. Physical Education I (Eurythmics I)** *1 semester hour*

The realization of rhythm in bodily movement and the development of neuro-muscular responses to the perception of musical

rhythms are bases for the course. The student will become familiar with the factors of timing, force, and space so as to increase both his skills in bodily movement and his appreciation of rhythm. Swimming activities are also included.

H.E. 150. Health

2 semester hours

The same as Health for Elementary Curriculum Students.

H.E. 207. Physical Education II (Eurythmics II)

1 semester hour

The development of an appreciation of rhythmic movement patterns through specific dance forms: Polka, Schottische, Waltz, Mazurka, Pavanne, Polonaise, Sarabande, Bouree, Gavotte, Minuet. Opportunities will be provided for the application of the principles of eurythmics in teaching music to children through both the planning and teaching of typical elementary school units; such as, Folk Festivals, Circuses, May Days, Indians, Transportation, Work and Occupations, Special Holidays. Some swimming activities are included.

H.E. 208. Physical Education III

1 semester hour

A course providing an extensive variety of recreational athletic experiences which have the highest potential value for enjoyment in post-college life. Activities include archery, badminton, bowling, swimming, deck tennis, softball, volleyball, tennis, golf, and winter sports.

MATHEMATICS DEPARTMENT

DR. FILANO, *Head of the Department*

Dr. Travis

Math. 101. Introduction to College Mathematics

3 semester hours

A course covering the basic areas in the field of mathematics. Development of the number system; nature and application of the fundamental processes; algebra, geometry, trigonometry and their applications.

Math. 105. College Algebra and Trigonometry

3 semester hours

An integrated course for the extension of competency in algebra and trigonometry. Includes functions, graphs, equations and identities in both fields.

Math. 111. College Algebra I *3 semester hours*

A course in intermediate Algebra. Fundamental operations, factoring, fractions, functions and their graphs, linear and quadratic equations, systems of equations, exponents and radicals.

Math. 121. College Trigonometry *3 semester hours*

A course emphasizing analytic trigonometry and also covering the measurement of triangles. Functions of angles, the logarithmic function, solution of triangles, radians, trigonometric identities and equations, inverse trigonometric functions.

Math. 131. Analytic Geometry *3 semester hours*

A study of loci and their equations through the use of algebra and geometry. Rectangular and polar coordinates, straight lines, conic sections, transformation of coordinates.

Math. 211. College Algebra II *3 semester hours*

A continuation of Math. 111. Theory of equations, mathematical induction, complex numbers, determinants, progressions, variation, permutations, combinations and probability.

Math. 241. Differential Calculus *3 semester hours*

A course covering limits, continuity and derivatives. Derivatives of functions, applications of derivatives. Introduction to integration as the inverse of differentiation. Pre-requisite: Math. 131.

Math. 242. Integral Calculus *3 semester hours*

A study of integration as a process of summation plus further work with derivatives. Formulas and methods of integration and the application of integrals to area, volume, work and other practical problems. Pre-requisite: Math. 241.

Math. 301. Mathematics of Finance *3 semester hours*

Theory of simple and compound interest as applied to annuities, sinking funds, amortization, insurance.

Math. 302. Field Work in Mathematics *3 semester hours*

A study of the theory and use of mathematical instruments. The slide rule, transit, angle mirror, sextant and others are considered. Simple map making exercises and elementary surveying. Pre-requisite: Math. 105 or 121.

Math. 303. Statistics *3 semester hours*

A study of the presentation and analysis of numerical data. Graphs, frequency distributions, measures of central tendency and

dispersion, correlation, regression and prediction, normal curve, reliability of statistical measures.

Math. 321. Spherical Trigonometry and Navigation

3 semester hours

A study of the solution of spherical triangles and their applications, especially to navigation. Pre-requisite: Math. 105 or 121.

Math. 331. College Geometry

3 semester hours

A course for the extension of competency in geometry. Development of geometric systems and deductive proof. Problems on polygons and circles, constructions, introduction to non-euclidean geometry.

Math. 341. Intermediate Calculus

3 semester hours

A continuation of the Calculus to include infinite series and expansion of functions; solid analytic geometry; partial derivatives, multiple integrals and their applications; introduction to differential equations. Pre-requisite: Math. 242.

Math. 350. Teaching of Mathematics in Secondary Schools

3 semester hours

A course in modern techniques of teaching mathematics. Aims of mathematics instruction, motivation, methods of instruction, evaluation in mathematics, courses of study, observation in secondary schools, experience in planning and presenting mathematics lessons.

Math. 351. Arithmetic For the Elementary Grades

3 semester hours

A course designed to acquaint students with modern methods of teaching arithmetic and with the content of the arithmetic curriculum. Emphasizes the teaching of concepts, stresses the construction and use of learning aids, considers arithmetic syllabi and texts, provides opportunities for students to prepare and present lessons in arithmetic and to observe arithmetic classes in elementary schools.

Math. 401. History of Mathematics

3 semester hours

A study of the growth of mathematics through the centuries and the men who contributed to it. Integration of the basic areas of mathematics.

Math. 402. Modern Mathematics

3 semester hours

An introduction to mathematical developments of the past century. Foundations of algebra and geometry, sets, rings, fields, Boolean Algebra, logic, probability, and statistics.

Math. 441. Differential Equations*3 semester hours*

A course in the theory, solution and application of ordinary differential equations.

MUSIC DEPARTMENT

DR. MITCHELL, *Head of the Department*

Mr. Middleton, Dr. Jones, Dr. Antonowich, Dr. Wright, Mr. Carl, Mr. Carson, Dr. Fletcher, Mrs. Gottlieb, Mr. Gutscher, Miss Keller*, Dr. Cheesman, Dr. Wilkinson, Miss Stout, Mr. Sweet, Miss Sheppard, Dr. Johns, Mrs. Kelly, Mr. Sprenkle, Miss Williams, Mr. Barrow, Mrs. Bernard, Mr. Whitten.

Theory

The theory courses aim to develop the techniques required for a comprehensive understanding of music literature and the background necessary for intelligent interpretation, arranging, and composition. These techniques include: the harmonization of melodies; analysis of form; creative work—at the keyboard and written; aural recognition of the harmonic vocabulary being studied; and the application to the keyboard of this vocabulary.

Mus. 110. Theory of Music*3 semester hours*

This course includes the study of sound and the use of such related mathematical skills as first degree equations, ratios, and interferences of periodicities. Aural recognition of the diatonic triads and their inversions is stressed as well as the development of part-writing skills. Melodic, rhythmic, and harmonic dictation is included. Pre-requisite: Mus. 100.

Mus. 201. Theory of Music*3 semester hours*

A continuation of the development of basic skills presented in the preceding course, and introducing the study of modulation and non-harmonic tones. Pre-requisite: Music 110.

Mus. 202. Theory of Music*3 semester hours*

In this course the student is given additional practice in handling the materials of Theory of Music 110 and 201, and introduces seventh chords and chromatic alterations. Pre-requisite: Mus. 201.

Mus. 301. Theory of Music*3 semester hours*

This course augments the student's harmonic vocabulary with a study of modulation to remote keys while developing the material of Theory of Music 202. Special attention is placed upon arrange-

*Fall Semester, 1958-59

ment of compositions for voices and piano. All the techniques acquired in previous courses will be further developed. Creative application of materials is emphasized. Pre-requisite: Mus. 202.

Mus. 211. Sight-Singing I *3 semester hours*

A study devoted to developing the specific skill of singing at sight. Emphasis rests upon coordination of the visual, aural, and theoretical aspects of the process. Extensive drill in individual and part-singing is directed toward quick recognition of appropriate tonal and rhythmic problems and the ability to reproduce them vocally. Pre-requisite: Mus. 100.

Mus. 212. Sight-Singing II *2 semester hours*

Increased facility in reading is developed through the use of material of advanced difficulty involving chromatic alterations, more remote modulations and intricate rhythms. Pre-requisite: Mus. 211.

Mus. 321. Counterpoint *2 semester hours*

A practical study of the fundamental material of music and its evolution. The course includes a comparison of harmonic and melodic movement, analysis and writing of both vocal and instrumental polyphony in strict and free style. Prerequisite: Mus. 202.

Mus. 322. Orchestration *2 semester hours*

A course including the techniques of the instruments of the orchestra and band and presenting the principles of instrumentation in theory and practice. Special emphasis is given to arranging for school orchestras and bands. Prerequisite: Mus. 202.

Mus. 323. Composition *2 semester hours*

A course designed to give the advanced student more intensive experience in creative work. Although no definite idiom is prescribed, the use of contemporary techniques is encouraged. The work done in this course will be written for various mediums. Each student is offered guidance and aid in writing compositions in the forms, styles, and mediums best suited to his own special capabilities and needs. Pre-requisite: Mus. 202.

Music Education and Student Teaching

Mus. 311. Secondary Music Methods *2 semester hours*

A study of the choral and general music program of the secondary public schools. Included in assignments and discussions

are: the development of good human relations involving the teacher, the students, the faculty, and the administration; the organization, procedures, problems, and materials of vocal music classes, covering voice classification, the changed and changing voices, voice classes, and choral organizations; special classes — the gifted and the retarded child; public performances; the school assembly; music appreciation classes; scheduling; requisitioning supplies and equipment; and school-community relationships. Special attention is given to the study of skills in teaching the general music classes. Particular emphasis is placed upon the selection and analyses of materials and evaluative techniques. Directed observations are included.

Mus. 312. Instrumental Methods *2 semester hours*

Fundamentals underlying the development of instrumental programs in the public schools. A variety of current practices and problems are investigated and considered with the viewpoint that no one type of organization will serve the needs of all communities and schools. Included are: background information on instruments of the orchestra and band; transposition, fingerings, etc.; consideration of problems of organization and administration; discussion, analysis and demonstration of teaching techniques and procedures; examination and evaluation of materials.

Note: Mus. 351 (Human Development), Mus. 311 (Secondary Music Methods) and Mus. 312 (Instrumental Methods) are all presented to students in the Music Education Curriculum in the same semester of the junior year. They are so scheduled as to permit regular and ample amounts of observation of the teaching of music in public schools and to correlate the course content with such observation. Thus, the student receives a practical introduction to the teaching of music in the public schools and undergoes a gradual induction into teaching responsibilities leading up to the student teaching semester.

Mus. 324. Choral Materials and Practices *2 semester hours*

The course is designed to acquaint the student with a vast amount of choral music suitable for school use through actual analysis. Program building and other practical phases of presenting the chorus in performance are studied.

Mus. 325. Piano Methods (Class) *2 semester hours*

A course providing for the training of piano teachers and supervisors for the organization and teaching of piano classes in the

public schools. Suitable teaching material including the leading system of class piano instruction will be examined and discussed. Demonstrations and student teaching are included.

Mus. 326. Instrumental Techniques and Materials

2 semester hours

The course is designed for those juniors and seniors who desire to specialize in instrumental music by expanding their knowledge of the instruments and the organization and administration of an instrumental department; modern materials for instrumental groups are studied and evaluated; rehearsal procedures; minor repairs to instruments; competitions and festivals in Pennsylvania; program building with special emphasis on marching band procedures.

**Mus. 327. Teaching Music Appreciation in the
Elementary Grades**

3 semester hours

A course designed to enrich the music program throughout the grades. Suitable and available materials will be suggested from which each member of the class will be expected to organize a unit of work for a specific grade. The subject of these units will be decided by the needs of the class itself. Throughout the course an attempt will be made to provide variety of approach and to present the subject so as to conform to the child's mental, physical, and psychological development.

**Mus. 402. Seminar in Piano Teaching and
Teaching Materials**

3 semester hours

A seminar giving in-service music teachers and supervisors the opportunity for class study of outstanding examples of the piano literature. The role and integration of the piano into the public school program along with suitable teaching materials for class and private study will be analyzed and used in demonstrations and student teaching.

**Mus. 421. Student Teaching and Direction of
Student Activities**

12 semester hours

Observation and participation in teaching situations ranging from the primary grades through senior high school, vocal and instrumental music, in conjunction with qualified cooperating teachers. Professional conferences and visitations are an integral part of the experience.

Humanities

Mus. 100. Foundations of Music *3 semester hours*

Relates the technical aspects of music to the social and cultural currents of Western Music. The historical approach to technical mastery is presented here in a degree which is beyond the province of courses in History, Literature, and Appreciation of Music. Pitch and rhythm, its representation through the centuries to the present age, and the development of basic skills in sight singing and dictation are included.

Mus. 220. Fine Arts *3 semester hours*

This is a course designed to give the student a stimulating background in the history and appreciation of music from the Classical Period through the Contemporary Period. The objective of the course is to provide a humanistic approach to the Art of Music by relating it to its contemporary arts and the societies in which it develops. The course provides further for a study of the major composers and their contributions to the literature of music. Stress is placed upon familiarity with the forms in music through analysis and comparison. To this end, representative compositions are heard and analyzed through recordings and other audible means.

Mus. 233. Basic Physical Science**(Musical Acoustics)***3 semester hours*

A special course in musical acoustics arranged for students in the Music Education Curriculum to give them an understanding of the nature of sound and the basic principles of production and transmission of sound with their applications to musical instruments. Further consideration is given to the physical basis of harmony and scales, hearing, the acoustics of concert halls, and the recording and reproduction of sound.

Mus. 310. History of Music*3 semester hours*

This course is basically a survey of the important movements in the History of Music from Primitive Times through the Baroque Period. It involves a study of the traditions of primitive societies and ancient civilizations, the development of music in the Christian Church, the contributions of the Middle Ages, and the developments in music through the Renaissance and the Baroque periods. Stress is placed upon the music of the 17th and 18th centuries. Where practical, representative compositions are heard and analyzed through available recordings.

Mus. 320. American Music*3 semester hours*

A course designed to trace the evolution of national style of composition from the earliest known American composers to the present day, and to acquaint the student with representative works of outstanding American composers. American music in our cultural heritage is analyzed and listened to with special regard for the amount of influence such things as jazz, impressionism, nationalities, and economics have had upon it.

Mus. 351. Human Development*3 semester hours*

A course dealing with the human growth and development of children in the elementary grades. The psychological aspects of creating desirable attitudes in children are stressed. Emphasis is placed upon the potent influence which music has upon the personal, emotional, and social development of the child. Included in assignments are the development of the child voice, his physical responses, music reading skills, and individual growth through creative musical activities. Particular emphasis is placed upon the selection and analyses of materials and evaluative techniques.

Applied Music

Applied Music studied in this curriculum serves two purposes: that of developing the musicianship of the individual student; and that of providing the prospective teacher with the knowledge and techniques of various musical media needed for conducting an effective music program in the public schools. The program is carried out by means of individual and class instruction, according to the needs of the student. Opportunity is given for ensemble and for solo appearances in recitals and with college organizations.

Advanced standing in private study may be achieved by students after the freshman year, upon successfully passing certain tests. Extra credit will be given to students in the advanced standing classification.

Mus. 1-6. Voice*1 semester hour each course*

Six semesters of private vocal study are required of all students except students whose major area of performance is instrumental. Four semesters of vocal study are required of instrumental majors.

Mus. 101-108. Advanced Voice*1 semester hour each course*

Eight semesters of private voice study are required of all students whose major area of performance is voice.

The study and application of the physiological and psychological principles of voice production and diction. The material used ranges from rote songs to classic and modern song literature, according to individual ability.

Mus. 11-16. Piano *1 semester hour each course*

Six semesters of private piano study are required of all music education students.

Mus. 111-118. Advanced Piano *1 semester hour each course*

Eight semesters of private piano study are required of all students whose major area of performance is piano.

Each student receives one-half hour instruction in piano per week. At the end of each semester students are expected to meet minimum requirements in sight-reading, technique, and general musicianship, as determined by examinations before the piano faculty. The study of the piano includes keyboard harmony in the free piano style.

Mus. 17-18. Organ *1/2 semester hour*

Designed to acquaint the student with the fundamental techniques of the pipe organ. Emphasis is placed upon methods of practice and study including fundamental pedal techniques, hymn playing, and simple accompaniments. For a limited number of students in the music education curriculum who have met the piano and keyboard requirements. A practical course in service playing for piano majors.

Mus. 151-158. Advanced Organ *1 semester hour*

Individual instruction in pipe organ is offered to familiarize the student with the literature of the instrument and to develop a playing technique. (For a limited number of students in the music education curriculum who have met the piano and keyboard requirements.)

Mus. 21-22. Violin *1 semester hour*

Two semesters of class instruction in violin, two hours per week, are required of all music education students. Tone production, fingering, and technique are stressed.

Mus. 121-128. Advanced Strings *1 semester hour*

A minimum of four semesters of private study are required of all students whose major performing area is string instruments. Repertoire and public performance are stressed.

Mus. 31-32. Clarinet*1/2 semester hour*

Two semesters of class clarinet, one hour per week, are required of all music education students. Tone production, embouchure, fingering, and technique are stressed.

Mus. 131-138. Advanced Woodwinds*1 semester hour*

A minimum of four semesters of private study are required of all students whose major performing area is woodwind instruments. Repertoire and public performance are stressed.

Mus. 41-42. Trumpet*1/2 semester hour*

Two semesters of class trumpet, one hour per week, are required of all students.

Mus. 141-148. Advanced Brasses*1 semester hour*

A minimum of four semesters of private study are required of all students whose major performing area is brass instruments. Repertoire and public performance are stressed.

Mus. 51-52. Instruments (Elective)*1/2 semester hour*

After having met the instrumental requirements in Violin, Clarinet, and Trumpet, the following instruments are elective through class instruction: viola, cello, bass, flute, oboe, bassoon, horn, trombone, baritone, tuba, percussion. For those advanced students who are interested in small ensemble groups in woodwinds, brass, or strings, opportunity is given to survey literature for such ensembles and to study ensemble style by participation.

Mus. 61-66. Chorus*1/3 semester hour*

Six semesters are required of all music education students.

Mus. 161-168. Choir*1/2 semester hour*

Eight semesters are required of all students who qualify for the College Choir.

A study of choral works with these topics especially stressed: breathing, interpretation, tone quality, enunciation, and diction. Works suitable for junior and senior high schools and colleges are studied, and special attention is given to preparation and public performance in these works.

Mus. 71-73. Orchestra (Elementary)*1/3 semester hour*

Three semesters are required of all music education students.

Students review and perform orchestra music of first, second, and third grade difficulty, suitable for use with school and community orchestras.

Mus. 171-178. Symphony Orchestra *1/2 semester hour*

Eight semesters are required for all students who qualify for the Symphony Orchestra.

The Symphony Orchestra prepares music for its major programs from the standard symphonic repertoire and also accompaniments for the Student Recitals which feature vocal and instrumental majors capable of performing with full orchestra. Almost half of the time each year is spent on sight-reading as much standard symphonic literature as possible. Membership in the orchestra is determined by audition.

Mus. 81-83. Band (Elementary) *1/3 semester hour*

Three semesters are required of all music education students.

Students review and perform band music of first, second, and third grade difficulty suitable for use with school and community bands.

Mus. 181-188. Concert and Marching Band *1/2 semester hour*

Eight semesters are required of all music students who qualify for the Concert and Marching Band.

Open to men and women of any curriculum. Music for the Concert Band includes band music used at state festivals. Admission by tryout.

Mus. 331. Choral Conducting *2 semester hours*

A practical application of conducting and vocal techniques to chorus direction is made through actual practice in conducting a choral group. Score reading, rehearsal techniques, and other related subjects are studied with reference to the maintenance of an effective chorus program in the schools.

Mus. 332. Instrumental Conducting *2 semester hours*

A study, theoretical and practical, of the conducting of various types of instrumental groups. Instrumentation, interpretation, balance, and score reading are studied, discussed, and practiced. Emphasis is placed on the development of adequate rehearsal techniques and skills. Physical elements which can improve or handicap a performance are discussed. Typical works of the late 18th and early 19th centuries are prepared and conducted from full score.

Mus. 7-10. Applied Music (Elective) *1 semester hour*

Students in any curriculum may elect to study piano, voice, or some instrument, and receive credit upon demonstration of satisfactory progress. One lesson each week. Course placement will depend upon the student's background.

REQUIRED COURSES IN MUSIC FOR ELEMENTARY EDUCATION STUDENTS

Mus. 50. Fundamentals of Music*no credit*

A course given to those students in the Elementary Curriculum who do not meet the prescribed requirements of a Standard Achievement Test in music. Fundamentals of Music includes the study of intervals, scales, measure and key signatures, simple and compound rhythms, notation and terminology, and the application of this knowledge to the reading of simple music. Prerequisite to Music for the Elementary Grades.

Mus. 251. Music for the Primary Grades*3 semester hours*

A course designed to equip the graduate, under supervision, to help in the enrichment of the music program in the primary grades of the public schools. Special emphasis is given to the student's acquiring a knowledge of the piano keyboard, voice production, elementary theory, rhythm, and form. In addition, various teaching methods and the use of materials that function in the program are presented: singing, also rhythmic listening, creative and instrumental activities keyed to the needs of the elementary child. Type lessons for the primary grades are taught by the student and constructively evaluated; observation of music in the schools is incorporated.

Mus. 252. Music for the Intermediate Grades*3 semester hours*

A course designed to equip the graduate, under supervision, to help in the enrichment of the music program in the intermediate grades of the public schools. Special emphasis is given to the student's acquiring a knowledge of the piano keyboard, voice production, elementary theory, rhythm, and form. In addition, various teaching methods and the use of materials that function in the program are presented: singing, creative and instrumental activities keyed to the needs of the child in the intermediate grades. Type lessons for the intermediate grades are taught by the student and constructively evaluated; observation of music in the schools is incorporated.

ELECTIVE COURSES IN MUSIC FOR ELEMENTARY EDUCATION STUDENTS

Mus. 100. Foundations of Music *3 semester hours*
(See course description listed under MUSIC: Humanities)

Mus. 401. Piano Class (Elementary Teachers) *3 semester hours*

Functional study of the piano through class lessons so that the elementary teacher may use the instrument as a means of broadening the elementary music program into the integrated Elementary Education Curriculum. Piano accompaniments for classroom singing and rhythmic and creative activities are stressed through study, demonstrations, and teaching of practical classroom materials. A course designed primarily for the in-service elementary classroom teacher.

**Mus. 403. Teaching Music through Song and
Rhythm Materials** *3 semester hours*

A course planned primarily for elementary teachers. It aims to prepare them to teach more effectively and to revitalize the program of Music Education in the schools. This will be brought about through study of the various series of song and rhythm materials currently available for use in elementary schools. It will develop the basic techniques for presenting these materials and a working knowledge of simple instruments such as the xylophone, auto harp, and percussion.

Applied Music *1 semester hour*

Students in any curriculum may elect to study piano, voice, or some instrument, and receive credit upon demonstration of satisfactory progress. One lesson each week.

REQUIRED COURSE IN MUSIC FOR SECONDARY AND PHYSICAL EDUCATION STUDENTS

Mus. 220. Fine Arts (Music) *3 semester hours*
(See course description listed under MUSIC: Humanities).

NOTE: Many of the courses in the Music Curriculum are available to students in other departments. There are no fees for the students that qualify in the larger musical organizations, which are considered extra-curricular for non-music majors.

PUBLIC SCHOOL NURSING COURSES**P.S.N. 300. Public School Nursing** *2 semester hours*

Deals with the special training in public school nursing as a branch of public health nursing, including historical background, the various fields it covers, the problems and limitations that are involved. Responsibilities of the nation, state, community, school board, administrators, and the school nurse are studied. The new techniques of handling children with heart disease, communicable diseases, sight and hearing problems, crippled children, mentally retarded, those incapable of being educated, and accident prevention are included.

P.S.N. 301. Public School Organization for Nurses*2 semester hours*

The course is designed to prepare the school nurse to function effectively as an integral part of the public school organization. The student is acquainted with the varied relationships with which the nurse is involved in the discharge of her responsibilities. Particular emphasis is given to the general character of the American school system, its organization, administration, supervision, public relations, curriculum building, co-curricular program, and guidance.

P.S.N. 302. Public Health Nursing I *3 semester hours*

A survey of the fundamental principles and the historical background of public health work in Europe, England, and America. Much stress is placed on the recent movement to bring this work up to date in our own state and the training and procedures by which it is to be accomplished. Careful consideration is given to the social changes in medicine, preventive techniques, population trends, modern ideas of sanitation and sewage disposal, the handling and marketing of foods, housing conditions of today, methods of record keeping, Civil Service procedures, and limitations as they concern the nurse.

P.S.N. 303. Public Health Nursing II *3 semester hours*

A continuation of Public Health Nursing I. Deals with the past history and modern practices of maternity care, infant care, child welfare, dental care, teaching proper techniques in the home, care of the crippled, handicapped in sight, hearing, and the aged. The vast opportunities open today in social work for the public health coordinator or leader in community health movements are an important aspect of the course.

P.S.N. 304. Nutrition and Community Health*2 semester hours*

A review of nutrition from the chemical make-up of foods to the use our body makes of them and how we evaluate that use. The part the nurse plays is covered in the following fields: teaching of nutrition in schools, homes, institutions, to individuals, to community organizations in regard to the proper feeding of infants, mothers, adolescents, the middle aged, the aged, the obese, those suffering from allergies, those with chronic diseases, and alcoholics.

P.S.N. 305. Family Case Work*3 semester hours*

A study of the processes of interviewing and making case studies of family groups. The history and sociology of the American family is used as background for study. Lectures, reports, and seminar techniques are employed.

SCIENCE DEPARTMENT

DR. GORDON, *Head of the Department*

Miss Greenwood, Dr. Trezise, Dr. Braddock-Rogers, Dr. McTavish, Mr. Skillen, Mrs. Kennedy, Mrs. Bliss, Mr. McDonnell, Mr. Rickert, Mrs. Fitzgerald.

General Courses**Sci. 100. Basic Biology***3 semester hours*

A course dealing with the principles of biology. Topics include cellular structure and physiology, growth and repair, reproduction and development, control, sources of food energy, inheritance, and man's interrelationship with his biological environment. The classification of plants and animals is reviewed briefly.

Sci. 150. Basic Physical Science*3 semester hours*

This course utilizes the fields of earth science and astronomy to provide a broadened background of science. The nature and uses of energy is the central theme for the study of heat, light, chemical, electrical, and atomic energy. Emphasis is placed on the methods of scientists in recognizing and solving problems.

Sci. 250. Science for the Elementary Grades*3 semester hours*

A course following the year of basic science designed to provide the elementary teacher with a more adequate background for teaching science in the elementary school. Units or problems are selected to achieve this purpose which cut across various fields

of science. Emphasis is placed upon developing resourcefulness, in gathering data, and using the scientific method in the solution of such problems. Prerequisites: Basic Biology and Basic Physical Science, or acceptable equivalent courses.

Sci. 350. Teaching Science in Secondary Schools

3 semester hours

A course planned to give the prospective science major a thorough grounding in the problems of teaching science. The objectives of the science program in the secondary school, selection of textbooks, sources of suitable literature, how to secure materials for instruction, the preparation of units, and special techniques are studied. Prerequisites: 12 hours of work in major field.

Sci. 400. Modern Aspects of Science

3 semester hours

Recent advances in various branches of science as they may affect teaching of secondary school subjects. Source materials will include articles in current technical and scientific journals as well as new books in special fields. The course will be conducted somewhat as a science seminar. Pre-requisites: Two semesters of chemistry, general college physics, and two semesters of a biological science.

Biological Science

Bi. Sci. 111. Botany I

4 semester hours

Botany I is a study of flowering plants. Topics include the anatomy and life processes of plant cells, leaves, stems, roots, flowers, seeds, and fruits. The economic importance of plants used by man and the recognition and classification of seed plants in the immediate environs of the College are included.

Bi. Sci. 112. Botany II

4 semester hours

Botany II is concerned primarily with the non-flowering plants. It considers both the anatomy and life processes of selected algae, bacteria, fungi, mosses, ferns, and their allies. The economic importance and health implications of certain of these groups are emphasized. The recognition and classification of non-flowering plants in the immediate surroundings are stressed. Prerequisite: Botany I.

Bi. Sci. 141. Zoology I

4 semester hours

A study of the life history, habits, origin, development, physiology, and anatomy of representative life forms in each phylum of the invertebrates. Emphasis is given to the study of those forms of

economic importance. The student becomes acquainted with many invertebrate species found locally.

Bi. Sci. 142. Zoology II

4 semester hours

A study of the chordates in general, and more particularly the classes of vertebrates. Topics studied include the anatomy, physiology, origin, development, and life history of representative members of each class. Special attention is given to the vertebrates found in the vicinity of the College. Prerequisite: Zoology I.

Bi. Sci. 210. Field Botany

3 semester hours

A course giving methods useful in the study of plants in their natural surroundings. The use of keys, botanical manuals, and illustrated floras to identify living specimens will constitute a major activity. Among the desirable outcomes should be an acquaintance with non-cultivated plants as sources of emergency or staple food-stuffs, fibers, lumber, pollen, and nectar, as well as their incalculable value to wildlife. Prerequisites: Basic (College) Biology or at least one semester of Botany.

Bi. Sci. 241. Field Zoology

3 semester hours

A course to familiarize teachers with the animal life in the surrounding localities. Considerable attention will be given to the use of keys, charts, books, and museum specimens as guides to the identification and classification of various animals. Field trips will be taken to observe, collect, and study animals as well as their habitats. Prerequisites: Basic (College) Biology or at least one semester of Zoology.

Bi. Sci. 242. Ornithology

3 semester hours

An introduction to the birds of Pennsylvania with special emphasis on the identification of birds in the field. Lectures deal with classification, migration, habitat preference, song, courtship, nesting and rearing of young, and plumage changes. Abundant field work gives practice in identification of native birds by their songs, behavior, form, and plumage. Prerequisites: Basic (College) Biology or at least one semester of Zoology.

Bi. Sci. 243. Descriptive Anatomy

3 semester hours

A study of the human body with particular emphasis upon the skeletal and muscular systems as related to a scientifically sound and practical program of physical education. Pre-requisite: Basic Biology.

Bi. Sci. 261-262. Anatomy and Physiology I and II*6 semester hours*

A continuous two semester course of study of the human body structures and their functions. Body systems will be presented as individual units with concurrent analysis of anatomical and physiological features as they relate to the human body as an integrated whole. Major emphasis will be placed on the musculo-skeletal system.

Laboratory sessions will consist of cateology, animal dissection, and small animal experimentation that has a direct relationship to human physiology.

Three hours of lecture and two hours of laboratory per week.

Bi. Sci. 301. Genetics*3 semester hours*

A course giving the student an understanding of the laws of inheritance as they operate in plants, animals, and humans. Cell structure, Mendelian inheritance, eugenics, linkage, probability, crossing over, and random assortment are all considered. Prerequisites: 6 hours of biological science or permission of the instructor.

Bi. Sci. 302. Ecology*3 semester hours*

A study of plants and animals in relation to their physical and biological environments. Special topics include distribution, factors affecting distribution, life zones, food chains, and adaptations. Attention is given to plant and animal communities in Pennsylvania. Individual problems may be assigned. Prerequisites: 6 hours of biological science or permission of the instructor.

Bi. Sci. 310. Microbiology*3 semester hours*

A study of microscopic forms of life which are commonly encountered in biological work. Some emphasis is placed on the study of disease producing species likely to affect man and his domesticated animals. Methods of culturing forms used in high school teaching are studied. Prerequisites: Botany I and II, Zoology I and II.

Bi. Sci. 341. Entomology*3 semester hours*

A general study of insects, including structure, physiology, economic importance, classification, and relationships. Each student is required to participate in field trips and to complete a project including a collection and report on some group of insects. Prerequisite: Zoology I.

Bi. Sci. 342. Parasitology*3 semester hours*

The consideration of the anatomy, physiology, life history, and habits of representative parasites of man and his domesticated ani-

imals. Means of prevention, detection, and control are emphasized. Special attention is given to those forms likely to be encountered in the area of the College. Prerequisites: Zoology I and II.

Bi. Sci. 343. Comparative Anatomy of Vertebrates

3 semester hours

A course in mammalian anatomy designed for majors in biology. Although the cat is used for lecture and laboratory work, considerable emphasis is given to comparisons with other vertebrates, especially man. Prerequisites: Zoology I and II.

Bi. Sci. 344. Human Physiology

(for Secondary Curriculum)

3 semester hours

A general background of body processes in animals and a more detailed knowledge of human physiology. Related anatomy is taught as needed.

Bi. Sci. 410. Plant Pests and Diseases

3 semester hours

The nature of infectious plant parasites, insects, and nematodes causing considerable damage to crops, forest trees and ornamentals. Specific bacteria, fungi, virus bodies, insects, and modern control measures will be studied. Environmental deficiencies leading to failure in growth and production of flowers, fruits, seeds, and tubers are equally stressed.

Bi. Sci. 440. Experimental Animal Behavior

3 semester hours

A laboratory course that deals with responses of common laboratory animals to changes in their environment. Results of transplantation and regeneration will be reviewed, as well as treatments with synthetic drugs and hormones. Several invertebrate forms, such as flatworms, annelids and arthropods will be used in experiments performed by the student. The course is designed as an introduction to scientifically directed animal experimentation.

Chemistry

Chem. 120. General Chemistry (for Health Education students only)

3 semester hours

Required of all students of health and physical education but does not satisfy the requirements in chemistry for science majors. Includes a general study of several of the common elements, several types of problems, and the fundamental laws of chemistry. A brief study of the periodic table and atomic structure is introduced very early in the semester.

Chem. 121. Inorganic Chemistry I *4 semester hours*

A chemical study of the structure and behavior of matter. Topics stressed in the first semester are the gas laws, solutions, valence, ionization, acids, bases, oxidation, and reduction as well as the writing of equations and solving of problems.

Chem. 122. Inorganic Chemistry II *4 semester hours*

A continuation of Inorganic Chemistry I stressing the more fundamental concepts of non-metals, metals, atomic structure, the periodic classification of elements, and simple qualitative tests for cations and anions. Prerequisite: Inorganic Chemistry I.

Chem. 123. Inorganic Chemistry III *4 semester hours*

This is a continuation of Inorganic Chemistry II in which emphasis will be placed on the Industrial aspects of chemistry. This class work is supplemented by selected experiences and trips to neighboring industries. Pre-requisites: Inorganic Chemistry I and II.

Chem. 221. Qualitative Analysis *3 semester hours*

A study of the theoretical principles and practices underlying analytical chemistry. It includes study and practice in separating and identifying the cations and anions of the more common elements and radicals. Prerequisites: Inorganic Chemistry I and II.

Chem. 222. Quantitative Analysis *3 semester hours*

Introductory training in the theory and practice of gravimetric, volumetric, electrolytic, and potentiometric analysis. Quantitative calculations and relations are stressed. Prerequisites: Inorganic Chemistry I and II.

Chem. 321. Organic Chemistry I *4 semester hours*

An elective for those who plan to major or minor in chemistry. It includes a study of the hydrogen compounds of carbon of the aliphatic series with emphasis on structural relationships and nomenclature as well as on uses and characteristic properties. Prerequisites: Inorganic Chemistry I and II.

Chem. 322. Organic Chemistry II *4 semester hours*

This is a continuation of Organic Chemistry I with emphasis on the aromatic series and an introduction to the heterocyclic compounds. Pre-requisites: Organic Chemistry I; Inorganic Chemistry I and II.

Chem. 323. Chemistry of Nutrition *3 semester hours*

A study of the application of food and physiological chemistry to the nutrition of man. Topics included are dietary studies, food requirements of persons of various ages and environmental conditions, energy, metabolism, mineral requirements and utilization, the vitamins, and the effect of food on growth and good health. Prerequisite: Chemistry I or Inorganic Chemistry I.

Chem. 324. Industrial Chemistry *3 semester hours*

The application of theories, laws, and calculations of chemistry to industrial processes. An intensive study of at least one major industrial process is made by each student. The class work is supplemented by selected laboratory experiences and numerous trips to neighboring industries. Prerequisites: Inorganic Chemistry I and II.

Chem. 420. Chemical Problems *3 semester hours*

The interpretation of the periodic chart of the elements, chemical tables, and calculations from equations, as well as weight-volume relationships. Many of these problems are involved in the teaching of chemistry in the secondary school and are not too well understood by the general science teacher who may have only two semesters of college chemistry as a background.

Physics

Phy. 131. Physics I *4 semester hours*

An introductory course in mechanics, heat, and sound. Some of the topics studied are the mechanics of solids, liquids, gases, thermometry, calorimetry, and heat transference, the production and nature of sound waves including musical sounds.

Phy. 132. Physics II *4 semester hours*

An introductory course in light, magnetism, and electricity. Some of the topics discussed are reflection and refraction, optical instruments, spectra, and interference. The portion devoted to electricity and magnetism deals with the general concepts of magnetism, electrostatics, electrical circuits, generators, motors, and alternating currents.

Phy. 231. Mechanics *4 semester hours*

An intermediate course in mechanics of solids, liquids, and gases. An opportunity is provided for a deeper insight into the principles in operation and their practical application. Studies are

made of rectilinear and circular motion, work and energy, impulse and momentum, simple harmonic motion, and hydrostatics. Emphasis is placed on qualitative considerations. Prerequisites: Physics I and II.

Phy. 331. Electricity and Magnetism *4 semester hours*

An advanced course in general electricity and magnetism. The electric magnetic fields, D. C. and A. C. circuits, capacitance, inductance, electromotive force, and electrical instruments are among the topics developed. Prerequisites: Physics I and II.

Phy. 332. Electronics *3 semester hours*

A course dealing with the electron, inducing the charge, emission, and velocity of the electron. The fundamentals of vacuum tubes and their circuits and the use of tubes in communications and industry are studied. Prerequisites: Physics I and II.

Phy. 333. Optics *4 semester hours*

An intermediate course in optics. Geometrical and physical optics are included. Reflection and refraction at surfaces, lenses, interference and diffraction, elementary spectroscopy and polarization of light are discussed. Applications are made in the study of optical instruments. Prerequisites: Physics I and II.

Phy. 430. General Astronomy *3 semester hours*

Recognition of constellations and various components of the solar system using the naked eye and low power telescopes, supplemented by specific textbook assignments. This course is required for certification in the field of Earth and Space Science.

Phy. 431. Modern Physics *3 semester hours*

A study of twentieth century physics. The course includes the development in thermionics, x-rays, and radioactivity. Considerable attention is given to the modern concepts of atomic structure together with the mechanisms of release of atomic energy and its subsequent utilization. Prerequisites: Physics I and II.

SOCIAL STUDIES DEPARTMENT

DR. ANDES, *Head of the Department*

Dr. Heim, Dr. Vollbrecht, Mrs. Ivins, Mr. Shaffer, Dr. Harding, Dr. Fleck,
Dr. Everett, Dr. Maneval, Mr. Morgan, Mrs. Shur.

General**Hist. 331. Teaching Social Studies in****Secondary Schools***3 semester hours*

A course to familiarize prospective teachers with desirable methods which may be used in teaching the social studies. Emphasis is placed on the philosophy, objectives, courses of study, and organization of subject matter for teaching purposes, curriculum materials, procedures, and development.

History**Hist. 201. History of Civilization I***3 semester hours*

A study of the origin and development of the political, social, economic, and religious institutions which constitute modern civilization, with emphasis upon broad movements to make realistic the information necessary for a proper understanding of the great heritage that is ours in the present day.

Hist. 202. History of Civilization II*3 semester hours*

A continuation of Hist. 201 from the Reformation to World War I.

Hist. 221. History of Europe to 1815*3 semester hours*

A study of the development of the social, economic, political, religious, and cultural experiences of the European people, emphasizing the cause and effect of inter-relation and inter-dependence of both people and events that are basic to understanding the fundamental forces that lead to modern life.

Hist. 222. History of Europe Since 1815*3 semester hours*

A comprehensive study of the factors contributed by the European people in their national organization through their political, social, and economic activities. The understanding of the casual and intergroup relationships are essentially basic to analysis and interpretations of the difficulties facing the European world today.

**Hist. 311. History of United States
and Pennsylvania I***3 semester hours*

A survey course in the history of the United States and Pennsylvania from the beginning of the colonial period to the end of the Civil War. Emphasis is placed on the social, economic, and

political development of our nation in general and of our Commonwealth in particular.

**Hist. 312. History of the United States
and Pennsylvania II**

3 semester hours

A survey course in the history of the United States and Pennsylvania from 1865 to the present. Stress is placed on the impact of the Industrial Revolution on our society, the growth of labor, world power, our part in World Wars I and II, and the activities of our nation in behalf of international organization.

Hist. 313. History of Pennsylvania

3 semester hours

A study of the founding and development of Pennsylvania from its colonial beginning to the present time. Emphasis is placed on the social, economic, and political developments in the different periods of its history. Special attention is given to the diversity of the people, their institutions and problems, and the growth of Pennsylvania to a leading position in our modern industrial world.

Hist. 314. Diplomatic History of the United States

3 semester hours

A study of our foreign relations from the beginning of our national history to the present. Such aspects as the growth and influence of a policy of "isolation," the creation and development of the Monroe Doctrine, the changing position of the United States as a world power, and the problems incident to the assumption of the resulting responsibilities.

Hist. 315. Economic History of the United States

3 semester hours

A study of the economic development of the American nation. Emphasis is placed on the economic factors and forces underlying the changes taking place as a young, frontier country, primarily agricultural, emerges as a wealthy and complex industrial power. Special attention is given to the growth of consumption as well as production; and to the increasing role of the individual as a primary center of economic interest.

Hist. 321. History of England

3 semester hours

The growth of the people and institutions of England from the conquest by the Anglo-Saxons to the present. The emphasis is placed on the development of those factors that gave rise to the struggle and events that culminated in the establishment of democratic principles and organization in our modern world.

Hist. 322. History of the Far East *3 semester hours*

A study of the development of the people of China, India, Japan, Indonesia, and the Pacific Islands. Attention is given to their cultures and developmental problems as they are related to each other and to the occident.

Hist. 323. History of the Middle East *3 semester hours*

A study of the various civilizations that developed in this area with regard to their contributions as they influenced both oriental and occidental achievements. Special emphasis is placed on the modern aspects of their relation to world knowledge and to problems of current international interest.

Hist. 324. History of Latin America *3 semester hours*

The development of the Latin American countries from the period of discovery to the present. The economic, social, political, and cultural areas receive special attention first as domestic problems, then as they are related to the various political units involved. The influence of European and American relations as they are reflected in local changes are given consideration.

Hist. 325. History of the Twentieth Century World*3 semester hours*

The significance of events in the present century brought out by a study of the growth of capitalism, imperialism, totalitarianism, international jealousies, World Wars I and II, and the attempts of the family of nations to find world peace through international understanding.

Social Science**Ec. 331. Principles of Economics** *3 semester hours*

A study of the economic principles which are fundamental for an appreciation of our modern economy. While stressing the forces and factors that explain production, distribution, and consumption in our capitalistic order, much attention is also given to practical economic matters, including labor problems, co-operative movements, and business management.

Ec. 332. Contemporary Economic Problems *3 semester hours*

A study of certain of our more crucial present day problems such as: labor relations, money and banking, international trade, government regulation.

Soc. 331. Principles of Sociology *3 semester hours*

A basic course in sociology dealing with the interaction arising from the association of human beings. Emphasis is placed upon natural and social heritage, the meaning and functions of culture, the origin, function, and characteristics of social institutions, such as the family, religion, and the state; inquiry into the nature and genesis of social pathology.

Soc. 332. Contemporary Social Problems *3 semester hours*

An advanced course in sociology. It deals with several problems such as poverty, unemployment, crime, divorce, and mental maladjustment. Lectures, reports, and seminar techniques are used.

Soc. 333. The Family *3 semester hours*

The development of the family and the home in its historical, economic, and legal aspects. The various factors influencing the organization, disorganization, and reorganization of the family are considered, as well as the modern trends in this basic institution.

Pol. Sci. 331. State and Local Government *3 semester hours*

The organization, structure, and functions of our state, county, and city governments. Consideration is given to modern administrative techniques and methods as they apply to state and local governmental units. Special emphasis is placed upon Pennsylvania state and local governmental organs.

Pol. Sci. 332. Comparative Government *3 semester hours*

Major attention is given to Great Britain and Soviet Russia as best representing, among foreign governments, the democratic and authoritarian systems. Brief consideration is given to the governments of France, Italy, Germany, and Japan. Frequent comparison and contrasts are drawn between these governments and government in the United States.

Pol. Sci. 333. International Relations *3 semester hours*

A study of the modern economic, social, political, religious, and cultural problems that reflect the influence of international relationships of the nations of the world using the United States as the point of departure. Special attention is paid to the struggle of the people through their representatives in international conferences and organizations to resolve their differences.

Pol. Sci. 431. American Government *3 semester hours*

A study of the general principles of the American system of constitutional government; special emphasis is placed upon the organization and functions of the national government—legislative, executive, and judicial; the rights and duties of citizenship; the electorate, political parties, civil rights, and the growing regulatory functions of government are carefully treated.

SUMMER SESSIONS OF 1960

Pre-Session: (3 weeks) -----June 6 - June 24

Regular Session: (6 weeks) -----June 27 - Aug. 5

Post Session: (3 weeks) -----Aug. 8 - Aug. 26

Credit Secured in Summer School

By action of the Board of Presidents of the State Teachers Colleges, no student will be allowed to secure more credits than the number of weeks in a session except by special permission of the Dean of Instruction. A student may enroll for one, two, or all three sessions. By attending all twelve weeks a student can complete twelve semester hours of credit.

Expenses and Fees *

Board and room are \$14. a week. The Activity Fee for the Regular Session is \$3.50 and for the Pre-Session and Post-Session \$1.75 each. Books must be purchased. They will cost approximately \$6.00 per course. A basic fee of \$11. per semester hour of credit (minimum basic fee—\$33.), covering instructional costs, is charged for legal residents of Pennsylvania; out-of-state students pay at the rate of \$15. per semester hour of credit (minimum basic fee—\$45.). The full expense of any summer session must be paid on the day of registration.

Health and Physical Education

During the Summer Sessions, the College plans to offer courses in the Health and Physical Education curriculum. The courses to be offered will be of collegiate grade and will carry credit toward the B.S. degree in the field of health and physical education. The program will interest and appeal to the following groups of people:

1. Those who are planning to meet requirements for the degree in health and physical education;
2. Graduates of other curricula who now plan to secure teaching certification in the health and physical education field;
3. Teachers in service who are called upon to teach and supervise health and physical education and playground work and who desire to meet the state requirements for this work.

* Fees subject to change without notice.

Music Education

During the Summer Sessions the College plans to offer courses in Music Education for three classes of people:

1. Those who are planning to meet requirements for the degree in music education;
2. Supervisors of music in the elementary or secondary schools who are desirous of furthering their musical education;
3. Those who have done advanced or somewhat irregular work in music and who wish to continue their education in the four-year college curriculum.

In the Summer Sessions, courses will be offered only when a sufficient number of students apply for them.

More detailed information about the Summer Sessions will be sent upon request to the Director of Admissions, State Teachers College, West Chester, Pennsylvania.

EXTENSION WORK •

Extension courses permitted in the four-year curricula for the preparation of teachers of the public schools:

1. The College adheres to the regulations set up by the American Association of Colleges for Teacher Education. A committee of this Association has recommended that extension credits be limited to thirty-two semester hours in the four-year curricula;
2. Any courses in the four-year curricula may be offered by the State Teachers Colleges subject to the standards approved by the State Council of Education;
3. Credit for equivalent courses given by other institutions may be given subject to the thirty-two semester hour limit and provided the courses have been given in accord with the standards of the State Council of Education;
4. Extension credits previous to June 1, 1941, shall be in accord with the limited list in effect at that time.

* The State Teachers College at West Chester does not offer courses by correspondence, nor does it grant credit for courses taken through correspondence.

COLLEGE COURSES FOR TEACHERS

Each semester a number of courses may be offered in the evenings and on Saturday mornings. These courses are planned for teachers in service who wish to continue their work toward a degree. The courses given are selected from the several curricula and are chosen with the idea of accommodating as many teachers as possible.

The cost of these courses is at the rate of \$11. per semester hour of credit for legal residents of Pennsylvania. A minimum basic fee of \$33. will be charged. For out-of-state students the rate is \$15. per semester hour (minimum basic fee—\$45.).

No Activity Fee is charged students who are enrolled in the College Courses for Teachers. The payment of the Activity Fee does, however, entitle the student to participate in all student activities and college activities that are provided for by this fee.

Not more than six semester hours of credit will be allowed for courses completed in any one semester by a student who during such term, is a regularly employed full-time teacher.

The College gladly welcomes any suggestions for courses to be offered evenings and Saturdays. Such requests should be mailed to the Dean of Instruction.

GRADUATE STUDIES

The State Council of Education has given formal approval to West Chester to offer a program of graduate studies beginning in September, 1959. Classes will be held in the evening and on Saturday mornings during the regular college year and concurrently with the undergraduate summer sessions.

The College is scheduling a program of studies which will include twelve hours of general and liberal courses and which will provide graduate level specialization in English, geography, social studies, music, mathematics, health and physical education, and science, as well as required professional courses in elementary and secondary education. It is planned to emphasize courses basic to all specializations during the year 1959-1960.

A special Graduate Study Bulletin and further information regarding the graduate program may be secured by writing the Admission Officer, Graduate Studies, State Teachers College, West Chester, Pennsylvania.

ENROLLMENT BY CLASS AND CURRICULA

1958-1959

	<i>Men</i>	<i>Women</i>	<i>Total</i>	<i>Curricula Total</i>
ELEMENTARY EDUCATION -----				755
Freshman -----	35	234	269	
Sophomore -----	24	138	162	
Junior -----	23	123	146	
Senior -----	27	151	178	
SECONDARY EDUCATION -----				501
Freshman -----	93	57	150	
Sophomore -----	101	48	149	
Junior -----	62	33	95	
Senior -----	88	19	107	
HEALTH AND PHYSICAL EDUCATION -----				545
Freshman -----	141	81	222	
Sophomore -----	85	37	122	
Junior -----	70	33	103	
Senior -----	60	38	98	
MUSIC EDUCATION -----				264
Freshman -----	47	36	83	
Sophomore -----	32	28	60	
Junior -----	29	25	54	
Senior -----	30	37	67	
COLLEGE GRADUATES -----	1	5	6	6
PUBLIC SCHOOL NURSES -----		1	1	1
DENTAL HYGIENISTS -----		1	1	1
<hr/>				
TOTALS				
Full-Time Students ----	948	1125	2073	2073
Part-Time Students:				
College Courses for Teachers--	32	193	225	225
Student Nurses -----		44	44	44
<hr/>				
	980	1362	2342	2342

1958 SUMMER SESSIONS ENROLLMENT

	<i>Men</i>	<i>Women</i>	<i>Total</i>
Pre-Session -----	255	230	485
Regular Session -----	253	465	718
Post-Session -----	175	210	385

ENROLLMENT BY COUNTIES

1958-1959

Adams -----	8	Lebanon -----	24
Allegheny -----	1	Lehigh -----	47
Armstrong -----	1	Luzerne -----	31
Bedford -----	6	Lycoming -----	10
Berks -----	67	McKean -----	2
Blair -----	4	Mifflin -----	5
Bradford -----	2	Monroe -----	3
Bucks -----	71	Montgomery -----	217
Butler -----	2	Northampton -----	56
Cambria -----	3	Northumberland -----	14
Carbon -----	7	Perry -----	6
Center -----	1	Philadelphia -----	376
Chester -----	273	Pike -----	2
Clearfield -----	1	Potter -----	2
Columbia -----	2	Schuylkill -----	45
Crawford -----	1	Snyder -----	5
Cumberland -----	25	Somerset -----	2
Dauphin -----	33	Sullivan -----	2
Delaware -----	481	Susquehanna -----	1
Erie -----	1	Tioga -----	3
Franklin -----	17	Wayne -----	8
Indiana -----	3	Westmoreland -----	2
Lackawanna -----	12	Wyoming -----	1
Lancaster -----	70	York -----	53

Total from Penna.2009

Out-of-State ----- 64

2073

DEMONSTRATION SCHOOL

1958-1959

Kindergarten -----	26	Group IV -----	23
Group I -----	29	Group V -----	24
Group II -----	26	Group VI -----	26
Group III -----	29		
		Total -----	183

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PRELIMINARY APPLICATION

REGISTRATION

The State Teachers College at West Chester devotes its entire facilities to the education of teachers for the public schools. If you are interested in earning the degree of Bachelor of Science in Education and a college certificate valid for teaching in the public schools of Pennsylvania, please fill in the form at the bottom of this page and return it to the Director of Admissions, State Teachers College, West Chester, Pa.

(Cut Here)

STATE TEACHERS COLLEGE

(3-59)

WEST CHESTER, PENNSYLVANIA

(Use Ink)

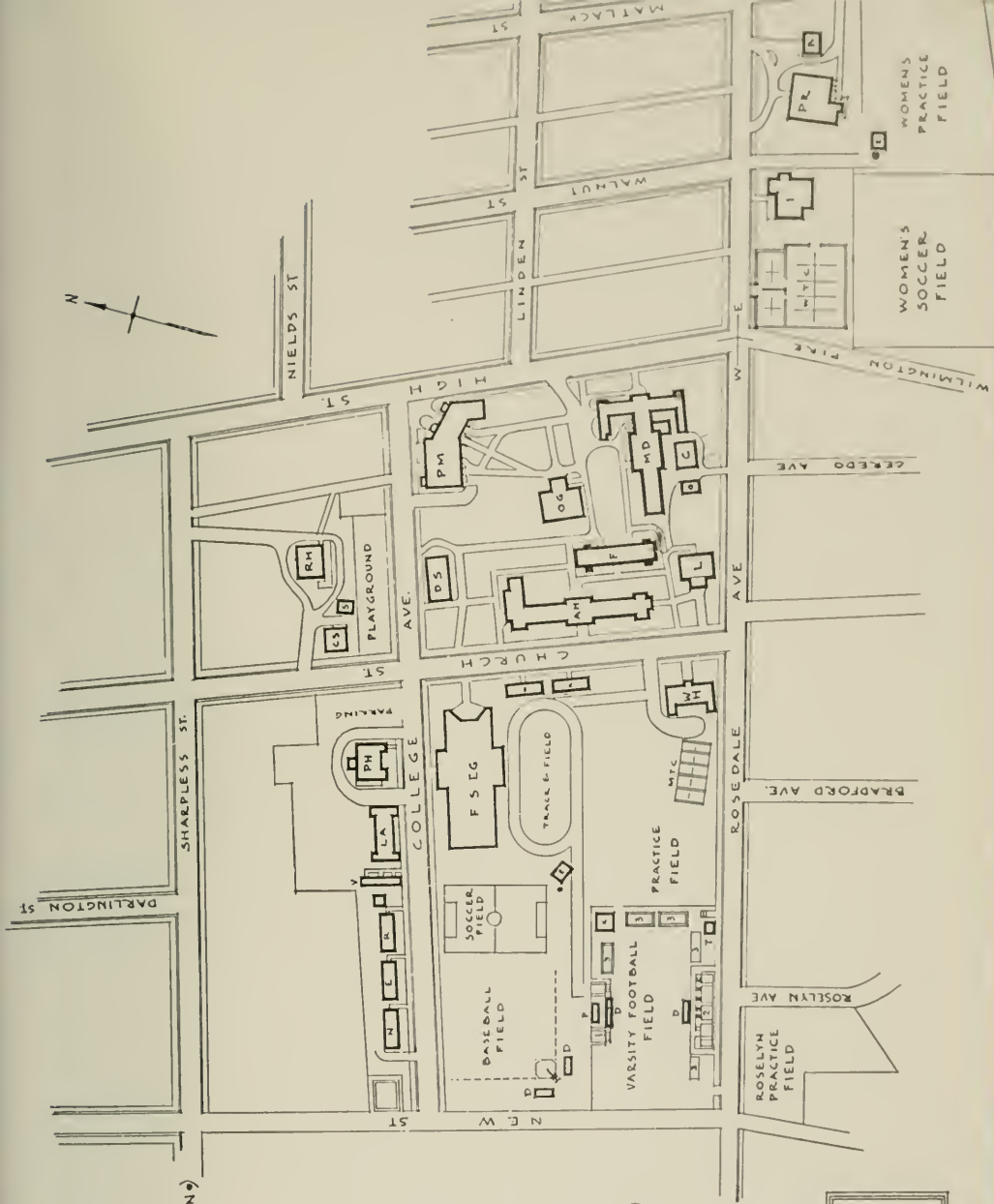
PRELIMINARY APPLICATION

1. Name -----
(Last) (First) (Second)
2. Number and Street----- County-----
3. City----- Zone----- State-----
4. When do you wish to enter this College?
Month (September, January or June)-----19----
5. In what curriculum do you wish to enroll?
Elementary----- Secondary----- Physical Ed.----- Music-----
If Secondary Education, list Major----- Minor-----
6. Have you attended any other college? Yes----- No----- If so,
give name of the college-----
7. Do you apply as a Resident Student?----- Day Student?-----
8. Are you eligible for veterans' benefits? Yes----- No-----
9. Date of graduation from High School: Month----- Year-----

NOTE: When this information has been received by the Director of Admissions, instructions for completing your application will be sent to you.

- 1 - NORTH GRAND STAND (STUDENTS)
 2 - PUBLIC - RESERVE SEATING
 3 - GENERAL ADMISSION BLEACHERS
 AH - ANDERSON HALL (STUDY)
 B - BARN
 C - CULINARY
 CS - CARPENTER SHOP
 D - DUG OUTS
 DS - DEMONSTRATION SCHOOL
 E - EQUIPMENT STORAGE (MEN - WOMEN)
 EI - EISENHOWER BARRACKS (MEN)
 F - FRESHMAN HALL (WOMEN)
 POST OFFICE - BOOKSTORE
 FSEG - FIELD HOUSE - SWIMMING POOL
 EINGER, GYMNASIUM
 I - INFIRMARY
 K - KING BARRACKS (MUSIC PRACTICE)
 L - DR. GREEN MEMORIAL LIBRARY
 LA - LAUNDRY
 MD - MAIN DORMITORY (WOMEN)
 NTC - MEN'S TENNIS COURTS
 N - NIMITZ BARRACKS (MEN)
 O - OIL GAS PAINT STORAGE
 OG - OLD GYMNASIUM
 P - PRESS BOX
 PH - POWERHOUSE GARAGE
 PM - PHILIPS MEMORIAL
 PR - PRESIDENT'S HOME
 R - ROOSEVELT BARRACKS (MEN)
 RH - REYNOLDS HALL
 S - SPRING HOUSE
 T - TICKET OFFICE (GEN ADMISSIONS)
 V - VANDERGRIFT BARRACKS (MEN)
 W - WASHINGTON BARRACKS (MEN)
 WH - WAYNE HALL (MEN)
 WTC - WOMEN'S TENNIS COURTS
 X - CONCESSION STAND

PLOT PLAN
 STATE TEACHERS COLLEGE
 WEST CHESTER, PA.
 15 OCTOBER '52





Library Book
Copy

WEST CHESTER STATE COLLEGE BULLETIN

SUMMER SESSIONS

1960



Advance Announcement

ACADEMIC YEAR

1960-1961

WEST CHESTER STATE COLLEGE

West Chester, Pennsylvania

COLLEGE ADMINISTRATIVE OFFICERS

1959-1960

H. LaRue Frain	Acting President
Earl F. Sykes	Acting Dean of Instruction
Emil H. Messikomer	Acting Assistant Dean of Instruction
B. Paul Ross	Director of Admissions
Mark M. Evans	Acting Director of Student Teaching and Placement
Alton J. Childers	Acting Principal of the Demonstration School
M. Jane Caton	Dean of Women
Bernice H. Bernatz	Assistant Dean of Women
Mary Schinagl	Assistant Dean of Women
W. Glenn Killinger	Dean of Men
Robert M. Mitten	Assistant Dean of Men
William R. Benner	Faculty Manager of Athletics
Jack A. Owens	Acting Director of Personnel
Everett E. Shaefer	Business Manager
Sarah F. D. Miller	Registrar
Herbert Clavier	Plant Superintendent

WEST CHESTER STATE COLLEGE BULLETIN

Vol. LXXXVIII

FEBRUARY, 1960

No. 1

Issued four times a year — February, March, April and May — by the Trustees of the West Chester State College, West Chester, Pennsylvania.

Entered as Second-Class Matter March 3, 1931, at the Post Office at West Chester, Pa., under the act of Congress of August 24, 1912.

CALENDAR 1960-61

1960 PRE-SESSION

Registration Monday, June 6
Students will register alphabetically according to
last name:
8:30-10:00 A.M. A through L
10:00-11:30 A.M. M through Z
Classes begin 1:30 P.M. Monday, June 6
Classes end Friday, June 24

1960 REGULAR SESSION

Registration Monday, June 27
Students will register alphabetically according to
last name:
8:30-11:30 A.M. A through L
1:30- 3:30 P.M. M through Z
Classes begin Tuesday, June 28
Classes end Friday, August 5

1960 POST-SESSION

Registration Monday, August 8
Students will register alphabetically according to
last name:
8:30-10:00 A.M. A through L
10:00-11:30 A.M. M through Z
Classes begin 1:30 P.M. Monday, August 8
Classes end Friday, August 26

THE ACADEMIC YEAR

1960-1961

The First Semester

Registration of Freshmen
and Seniors September 8
Registration of
Sophomores and Juniors September 9
Classes begin at 8:00 A.M. September 12
Thanksgiving Recess begins
at the close of classes November 22
Thanksgiving Recess ends
at 8:00 A.M. November 28
Christmas Recess begins
after last class December 16
Christmas Recess ends
at 8:00 A.M. January 4
First Semester ends
at noon January 20

The Second Semester

Registration of Freshmen & Seniors January 23
Registration of Sophomores & Juniors January 24
Classes begin at 8:00 A.M. January 25
Easter Recess begins
at the close of classes March 28
Easter Recess ends at 8:00 A.M. April 4
Alumni Day May 20
Commencement May 21

Some Important Facts

About West Chester State College

West Chester State College is accredited by the Middle States Association of Colleges and Secondary Schools; the National Council for Accreditation of Teacher Education; the American Association for Health, Physical Education and Recreation; and National Association of Schools of Music.

A large staff of college teachers is second to none in educational qualifications, experience, and actual performance in teacher education.

Modern and adequate science laboratories, instructional equipment, and classroom facilities are provided.

An All-Star Course brings yearly to the campus some of the nation's most famous artists in the fields of music, drama, and letters. Among these have been Lawrence Tibbett, Jascha Heifetz, Mrs. Eleanor Roosevelt, the late Grace Moore, the Cleveland Symphony Orchestra, Helen Traubel, H. R. Knickerbocker, Marian Anderson, Eugene List, H. R. Baukhage, Jose Iturbi, the Rochester Philharmonic Orchestra, Christopher Lynch, Rise Stevens, Columbus Boy-Choir, James Melton, Margaret Chase Smith, Robert Shaw Chorale, Philharmonic Piano Quartet, Eleanor Steber, Eva Le-Gallienne, Patrice Munsel, Little Singers of Paris, Robert Merrill, Jehudi Menuhin, Roberta Peters, Cesare Siepi, Walter Cassel, and Jan Peerce.

In addition to regular courses for preparing ELEMENTARY and SECONDARY teachers, West Chester has two special curricula preparing teachers in MUSIC and HEALTH AND PHYSICAL EDUCATION.

The College maintains an active Placement Service without cost to graduates.

SUMMER SESSIONS

GENERAL STATEMENT

The twelve-weeks summer sessions are divided into three periods: the Pre Session of three weeks, the Regular Session of six weeks, and the Post Session of three weeks. The schedule includes courses for regular college students and a number of special offerings for teachers in service.

West Chester State College is located in a beautiful residential town of Chester County, near historic Brandywine and Valley Forge. Students enjoy the added advantage of easy access to Philadelphia, New York, and Atlantic City.

The College provides for its wide area of service a modern, progressive, and constantly expanding co-educational program. The major aim of this program is the preparation of teachers particularly for the public schools of the Commonwealth of Pennsylvania. Students who have attended summer sessions at West Chester know it is an ideal place to combine serious study with wholesome recreation and student life.

SOCIAL AND RECREATIONAL PROGRAM

A summer at West Chester gives the student an opportunity to pursue college work under the most favorable conditions. The tree-shaded campus, with its conveniently located buildings, provides a beautiful and restful environment.

Opportunities for recreation are many; softball, tennis, swimming, and other recreational activities. Social hours, when the students may talk informally with their teachers, are a feature of the Pre and Post Sessions.

The borough and vicinity of West Chester are beautiful and at the same time provide material for study and research in history, science, and the arts. Philadelphia excels in scenic and historic interest, and special trips to the city will be arranged for those interested in taking advantage of these opportunities.

Seeing the world-famous fountains at Longwood Gardens, picnicking and canoeing on the Brandywine, taking advantage of the best in music, art, and the theatre—these are some of the events that make a summer at West Chester much to be desired.

DEMONSTRATION SCHOOL

The Demonstration School will be open during the six weeks' session for the purpose of demonstrating teaching at the elementary level. Experience in student teaching will be available for a limited number of students who file applications early in the spring.

WORKSHOP IN ELEMENTARY EDUCATION

A Workshop in Elementary Education will be conducted to provide opportunity for study of newer practices in elementary education. Current problems will be shared by the members of the group. Discussions will be led by an experienced coordinator. Master teachers and the facilities of the Demonstration School will be utilized for demonstration and observation. The Workshop will meet during the first and second periods (8:00-11:00 A.M.) during the Regular Session and will carry four semester hours of credit. Students may elect an additional three credit course. The Workshop is open to experienced teachers and college graduates.

WORKSHOP IN COMMUNITY AND SCHOOL HEALTH EDUCATION

The Community and School Health Education Workshop for rural teachers, school nurses, health education specialists, and others engaged in health work will be conducted during the three-week period from June 27 to July 15. Three college credits may be earned by students who meet the College admission requirements. No additional courses may be carried by the student during this three-week session. Information and application forms may be secured from your local County Superintendent of Schools, the Executive Secretary of the County Tuberculosis and Health Society of the county in which you reside, or from the Director of Admissions, West Chester State College, West Chester, Pennsylvania.

GRADUATE COURSES

For information about graduate courses being offered in the 1960 Summer Session, write to Dr. Thomas E. Berry, Assistant Director of the Graduate Program.

ELECTIVE COURSES IN MUSIC FOR STATE CERTIFICATION REQUIREMENTS

Courses especially designed to assist in the teaching of music in the elementary grades will be offered during the Regular Session. These courses may be submitted toward the requirements for permanent state certification.

For Elementary teachers:

1. Piano Class for Elementary Teachers;
2. Teaching Music Appreciation in the Elementary Grades;
3. Teaching Music through Song and Rhythm Materials.

For Music supervisors:

1. Seminar in Piano Teaching and Teaching Materials;
2. Teaching Music Appreciation in the Elementary Grades;
3. Teaching Music through Song and Rhythm Materials.

CREDITS

Credits for the summer sessions may be earned at the rate of one semester hour per week of work; thus, a student attending all three sessions may earn twelve credits.

Students will not be permitted to carry more than six semester hours of work in the Regular Session unless permission to do so has been secured in advance from the Dean of Instruction.

HOUSING

There will be adequate housing available for all men and women students for all three summer sessions. The College is unable, however, to provide housing for married students and their families.

After filing an application for admission to the Summer Sessions with the Admissions Office, room reservations should be made through a *written application* to either the Dean of Women's or the Dean of Men's Office *one week prior to the opening* of each session.

Rooms may be occupied after 2:00 P.M. on the Sunday preceding each session.

COLLEGE REGULATIONS

The same college regulations pertaining to student procedure and conduct in effect during the academic year at West Chester State College are effective for the three summer sessions.

REGISTRATION

Admission as a student to any summer session does not establish priority or privilege for admission as a student for the regular academic year.

1. DATES, TIME, AND PLACE. Registration for each summer session will be held in the Old Gym on the opening day of each session as indicated on Page 3.

The College will operate on Daylight Saving Time.

2. PROCEDURE. Application for admission to any or all of the summer sessions may be made by filling in a form which may be secured from the Director of Admissions, West Chester State College, West Chester, Pennsylvania. Upon filing an application, a student may consider himself accepted, unless notified otherwise, and he should report for registration on the day or days indicated in the Summer Sessions calendar.

3. LATE REGISTRATION. Since the summer sessions are short, it is necessary for students to register at the times indicated as registration periods.

For acceptable reasons, a student may register not more than one day late. No additional absences will be permitted to secure full credit for the courses taken. A late registration fee will be charged.

CLASS MEETINGS AND PERIODS

In each of the three summer sessions classes will be held on all weekdays except Saturdays.

No class cuts are permitted during the Summer Sessions.

PRE AND POST SESSIONS. The first session of classes in the Pre and Post Sessions will be held on registration day from 1:30-4:00 P.M. After the first day, each class will meet twice daily, 8:00-9:30 A.M. and 10:30-12:00 A.M. The hour from 9:30-10:30 is for rest, library work, or recreation. It will not be possible for a student to carry more than one course during either the Pre or Post Session since all courses meet concurrently.

REGULAR SESSION. Classes begin on Tuesday and meet once daily (unless otherwise indicated) at the time stated in the schedule. The schedule for classes during the Regular Session will operate on Daylight Saving Time as follows:

8:00- 9:30	First Period
9:30-11:00	Second Period
11:00-12:30	Third Period
12:30- 1:30	Luncheon
1:30- 3:00	Fourth Period

* FEES

1. Regular Summer Session—6 weeks

1. BASIC FEE for the Regular Summer Session.

The basic fee is \$11.00 per semester hour of credit. A minimum basic fee of \$33.00 will be charged.

Students who enroll in the Health Education Curriculum are charged an additional fee of \$6.

Those who enroll in the Music Education Curriculum and are taking work toward music certification, but without private lessons, pay an additional music fee of \$15.

Applied music fees for accelerating Music students who attend *both* Pre and Regular Sessions are as follows: \$15. for Pre-Session and \$30. for Regular Session.

If applied music is consolidated in the Regular Session, the music fee will be \$45. No applied music will be offered during the Post-Session. Any variation in the number of private lessons is prorated accordingly.

2. HOUSING FEE for the Regular Summer Session.

The housing rate for students is \$84. This includes room, meals, and limited laundry.

(1) An additional charge of \$3. is made for rooms with running water.

(2) No reduction in the rate is made for laundry done at home nor for absences of a few days at a time.

(3) A student may, at the discretion of the President of the College, occupy a double room by paying an additional \$12.

(4) The rate for separate meals is:
Breakfast \$0.50 Lunch \$0.75
Dinner \$1.00

3. THE STUDENT ACTIVITY FEE for the Regular Summer Session is \$3.50.

4. BOOKS MUST BE PURCHASED. They will cost approximately \$10.

*These fees are subject to change without notice. All charges for a session must be paid on the day of registration.

5. OTHER CHARGES.

- (1) Music Education Students
 - A. Pipe organ for practice, \$12. per session.
 - B. Rental of orchestral instruments, \$2. per session.
- (2) Academic Students
 - A. Private half-hour lessons in voice, piano, band, or orchestral instruments, \$8. per session; pipe organ, \$14.
 - B. Rental of piano or orchestral instruments for practice, \$2. per session.
 - C. Rental of pipe organ for practice, \$12. per session.
- (3) Private voice and piano lessons for Music Education Students carry one extra credit costing \$9.00. Chorus, Band, and Orchestra carry one-half hour of credit. (This is in addition to the regular \$15. music fee.)
- (4) Late Registration Payment — \$1. for one day.
- (5) Degree Fee—\$5. to be paid by each candidate for a degree.

II. Pre-Session and Post-Session

1. BASIC FEE for Pre and Post Sessions:

The basic fee for the Pre-Session and Post-Session is \$11.00 per semester hour of credit.

Students in either of these sessions who enroll in the Health and Physical Education Curriculum are charged an additional fee of \$3.

Those who enroll in the Music Education curriculum and take work toward music certification, but without private lessons, pay an additional music fee of \$7.50. Students accelerating in the Music curriculum pay on the same basis as those students in the Regular Summer Session. Any variation in the number of private lessons is prorated accordingly.

2. HOUSING FEE for Pre and Post Sessions:

The housing fee for the Pre and Post Sessions is \$42.00 for each session. This fee includes room, meals, and limited laundry.

3. THE STUDENT ACTIVITY FEE for Pre and Post Session is \$1.75 for each session.

4. BOOKS MUST BE PURCHASED. They will cost approximately \$5.
5. OTHER CHARGES—for each session, one-half of those listed under Section 5 above for the Regular Session.

OPPORTUNITIES FOR EMPLOYMENT AND LOANS

Students interested in securing employment should consult the Director of Personnel. Full information concerning student loans will be found in the general college catalog.

PLACEMENT

The Placement Bureau of the College offers excellent opportunities for employment in teaching. Graduates are invited to make use of this bureau without cost.

CERTIFICATION OF TEACHERS

School Laws of Pennsylvania,
Section 1202. State Certificates.—

“State certificates shall be issued as herein provided. Each such certificate shall set forth the branches which its holder is entitled to teach. No teacher shall teach, in any public school, any branch which he has not been properly certificated to teach

“A certificate to teach shall not be granted or issued to any person not a citizen of the United States, except in the case of exchange teachers not permanently employed and teachers employed for the purpose of teaching foreign languages.”

Provisional College Certificate

A student who satisfactorily completes one of the curricula offered by the College receives his degree from the College and qualifies for a Provisional College Certificate which is issued to him upon application to the Department of Public Instruction, Harrisburg, Pennsylvania.

In the elementary field this certificate qualifies the holder to teach in the public elementary schools of Pennsylvania for three years.

In the secondary field this certificate qualifies the holder to teach the subjects written thereon in the public secondary schools of Pennsylvania for three years.

In health education and music education the certificate qualifies the holder to teach and super-

vise the special subject in both elementary and secondary public schools of Pennsylvania for three years.

Permanent College Certificate

The Permanent College Certificate requires three years of successful teaching in the public schools of this Commonwealth under the Provisional College Certificate and the satisfactory completion of six semester hours of additional work of collegiate grade, completed subsequent to the issuance of the baccalaureate degree. One-half of the additional work must be professional and the remainder related to the subject or subject fields on the certificate. This certificate is then a permanent license to teach.

Extension of College Certificates

1. A college certificate valid for the secondary field may be extended to include the elementary field by completing thirty semester hours of approved courses in the field of elementary education, including six semester hours of elementary student teaching. At least one course in each of the following must be included: art, music, and health.

2. A college certificate valid for the elementary field may be extended to include any subject of the secondary field by meeting all the professional and academic standards required for the original issue of such certificate.

A student who has qualified for an elementary certificate will have completed the required Professional Orientation, Educational Psychology, and certain academic credits. Additional work will be required to meet the following standards:

- a. Eighteen semester hours of approved academic work in the subjects to be written on the certificate;
- b. Secondary education—six semester hours;
- c. Student teaching on the secondary level—six semester hours.

3. A college certificate valid for the secondary field may be extended to include additional academic subjects when the holder has completed eighteen semester hours of approved education in each subject to be added to the certificate.

Certification in Other States

Concerning the requirements for certification for teaching in other states, students should consult the Dean of Instruction.

Courses Offered

SUMMER SESSIONS 1960

The College reserves the right to withdraw any course if fewer than 15 students enroll for it.

PRE-SESSION

June 6—June 24

(Each class meets 8:00-9:30 A.M. and 10:30-12:00 A.M.)

Courses

Credit

ART

No Offerings

EDUCATION

Ed. 250	General Psychology	3
Ed. 350	Educational Psychology	3
Ed. 319	Teaching of Reading	3
Ed. 353	Child Adjustment	3
Ed. 380	Ethics	3
Ed. 400	Professional Practicum (Secondary) (June 13-24)	2
Limited to students approved for secondary student teaching in the Regular Session.		

ENGLISH

Eng. 224	English Literature	3
Eng. 328	Children's Literature	3
Eng. 348	Short Story	3

GEOGRAPHY

Geog. 101	World Geography	3
Geog. 210	Geographic Influences in American History	3
Geog. 310	Field Course in Geography	3

HEALTH AND PHYSICAL EDUCATION

H.E. 361	Physical Education Tests	3
H.E. 367	Arts and Crafts in Recreation	3
H.E. 481	Introduction to Safety Education	3

MATHEMATICS

Math. 303	Statistics	3
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MUSIC

Mus. 310	History of Music	3
	Piano	½
	Voice	½

SCIENCE

Sci. 100	Basic Biology	3
Sci. 150	Basic Physical Science	3
Biol. 242	Ornithology	3
Biol. 261	Anatomy and Physiology I	3

SOCIAL STUDIES

Hist. 201	History of Civilization I	3
Hist. 311	History of the United States and Pennsylvania I	3
Hist. 312	History of the United States and Pennsylvania II	3
Pol. Sci. 431	American Government	3
Soc. 333	The Family	3

REGULAR SESSION

June 27—August 5

(Classes meet daily Monday through Friday
unless otherwise indicated)

STUDENT TEACHING: (Application should be filed
prior to May 1)

H.E. 471 Health and Physical Education (6 credits) -
June 27 to August 5

Ed. 410 Elementary (6 credits) - June 27 to Aug. 5

*Ed. 410 Secondary (6 credits) - June 27 to Aug. 5

*Enrollment in Professional Practicum, Ed. 400, (Sec-
ondary), June 13 to June 24, is required of those who
register for Secondary Student Teaching. Students re-
port for registration and class as instructed by the
Director of Student Teaching.

FIRST PERIOD: 8:00 to 9:30 A.M.

<i>Courses</i>		<i>Credit</i>
ART		
Art 101	Fine Arts	3
Art 201	Arts and Crafts	3
EDUCATION		
Ed. 350	Educational Psychology	3
Ed. 351	Child Development	3
Ed. 352	Adolescent Psychology	3
Ed. 300	Audio-Visual Education	2
Ed. 301	Pre-School Education	3
Ed. 302	Problems of Secondary Education	3
Ed. 441W	Workshop in Elementary Education (8:00-11:00 A.M. — see page 6)	4
Ed. 451	Test and Measurement Techniques in Guidance	3
ENGLISH		
Eng. 101	English I	3
Eng. 102	English II	3
HEALTH EDUCATION		
H.E. 112	Gym II	1
H.E. 212	Gym IV	1
H.E. 152	First Aid	2
H.E. 350	Health for the Elementary Grades	2
H.E. 351	Human Development	3
H.E. 451	Workshop in Community and School Health Education	3
	(June 27 to July 15)	
H.E. 483	Psychology of Accident Prevention	3
LANGUAGE		
Fr. 101 a	French I	3
MATHEMATICS		
Math. 105	College Algebra and Trigonometry	3
MUSIC		
Mus. 211	Sight Singing	3
Mus. 220	Fine Arts (Music)	3
Mus. 327	Teaching Music Appreciation in the Elementary Grades	3
PUBLIC SCHOOL NURSING		
PSN 305	Family Case Work	3
SCIENCE		
Sci. 150	Basic Physical Science	3
Biol. 302	Ecology	3
Chem. 120	General Chemistry	3
SOCIAL STUDIES		
Pol. Sci. 431	American Government	3

SECOND PERIOD: 9:30 to 11:00 A.M.

<i>Courses</i>		<i>Credit</i>
ART		
Art 301	Problems in Art Education	3
EDUCATION		
Ed. 100	Professional Orientation	3
Ed. 250	General Psychology	2
Ed. 300	Audio-Visual Education	2
Ed. 318	Reading in the Secondary School	3
Ed. 370	Mental Hygiene	3
ENGLISH		
Eng. 314	English Philology and Grammar	3
Ed. 317	Teaching of Language Arts	3
GEOGRAPHY		
Geog. 306	Geography of Africa and Australla	3
HEALTH EDUCATION		
H.E. 482	Driver Education and Training	3
H.E. 261	History of Physical Education	3
MATHEMATICS		
Math. 101	Introduction to Mathematics	3
LANGUAGE		
Sp. 101 a	Spanish I	3
MUSIC		
Mus. 401	Piano Class - Elementary Teachers	3
Mus. 402	Seminar in Piano Teaching and Teaching Materials	3
Mus. 110 & 201	Theory of Music	3
PUBLIC SCHOOL NURSING		
PSN 303	Public Health Nursing II	3
SCIENCE		
Sci. 235	Science in Modern Civilization	3
Sci. 250	Science for the Elementary Grades	3
Sci. 350	Teaching Science in Secondary Schools..	3
SOCIAL STUDIES		
Ec. 331	Economics	3
Hist. 312	History of the United States and Pennsylvania II	3
Hist. 313	History of Pennsylvania	3

THIRD PERIOD: 11:00 to 12:30 P.M.

ART		
Art 203	Teaching Art in the Elementary Grades.	3
EDUCATION		
Ed. 303	Creative Activities in the Elementary School	3
Ed. 306	Introduction to Guidance and Counselling	3
Ed. 330	Teaching the Exceptional Child	3
ENGLISH		
Eng. 315	Teaching English in Secondary Schools..	3
Eng. 353	Speech Problems	3
GEOGRAPHY		
Geog. 205	Physiography	3
HEALTH EDUCATION		
H.E. 463	Principles of Coaching	2

MUSIC

Mus. 322	Orchestration	2
Mus. 323	Composition	2

PUBLIC SCHOOL NURSING

PSN 301	Public School Organization (MTWTh.)...	2
PSN 300	Public School Nursing	3

SCIENCE

Sci. 100	Basic Biology	3
Sci. 350	Teaching of Science in the Elementary Grades	3
Biol. 262	Anatomy and Physiology II	3

SOCIAL STUDIES

Hist. 202	History of Civilization II	3
Hist. 311	History of the United States and Pennsylvania I	3
Soc. 331	Sociology	3

FOURTH PERIOD: 1:30 to 3:00 P.M.

ENGLISH

Eng. 103	Speech (MTWTh)	2
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GEOGRAPHY

Geog. 102	Geography of the United States and Pennsylvania	3
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HEALTH EDUCATION

H.E. 131	Aquatics I	1
H.E. 331	Advanced Aquatics	2
H.E. 104	Physical Education I	1
H.E. 205	Physical Education III	1

MUSIC

Choir
Orchestra
Band
Piano
Voice
Advanced Instruments

PUBLIC SCHOOL NURSING

PSN 304	Nutrition and Community Health (MTWTh)	2
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POST SESSION

August 8—August 26

(Each class meets 8:00-9:30 A.M.
and 10:30 to 12:00 A.M.)

<i>Courses</i>		<i>Credit</i>
ART		
No Offerings		
EDUCATION		
Ed. 307	Diagnostic and Remedial Reading	3
Ed. 350	Educational Psychology	3
ENGLISH		
Eng. 223	American Literature	3
Eng. 328	Children's Literature	3
Eng. 332	Shakespeare	3
GEOGRAPHY		
Geog. 101	World Geography	3
HEALTH AND PHYSICAL EDUCATION		
H.E. 352	Methods and Materials of Health Education	2
H.E. 364	Organization and Administration of Physical Education	3
H.E. 484	Methods and Materials of Safety Education	3
MATHEMATICS		
Math. 351	Arithmetics for the Elementary Grades..	3
MUSIC		
Mus. 233	Acoustics	3
SCIENCE		
Sci. 100	Basic Biology	3
Sci. 150	Basic Physical Science	3
Biol. 341	Entomology	3
Biol. 344	Human Physiology	3
SOCIAL STUDIES		
Hist. 202	History of Civilization II	3
Hist. 311	History of the United States and Pennsylvania I	3
Hist. 312	History of the United States and Pennsylvania II	3
Hist. 331	Teaching Social Studies in the Secondary Schools	3
Pol. Sci. 431	American Government	3
Ed. 320	Teaching of Social Studies and Geography	3

Preliminary Announcement

ACADEMIC YEAR

1960-61

HOUSING

The College has made provisions for the housing of its resident students. It may be impossible to provide housing for all students who apply for admission. Although College authorities are embarrassed by this situation, there is nothing that can be done about it in this period of serious housing shortages. It is very important that all housing arrangements for both upperclassmen and new students be satisfactorily settled with the Dean of Women or Dean of Men before any student comes to the campus in September.

ADMISSION REQUIREMENTS

Candidates for admission to the College must meet the following requirements:

1. General scholarship as evidenced by graduation from an approved secondary school or equivalent preparation as determined by the Credentials Evaluation Division of the Pennsylvania Department of Public Instruction. All candidates for admission must take the Scholastic Aptitude Test and English Composition Test of the College Entrance Examination Board.
2. Satisfactory character and personality traits as well as proper attitudes and interests as determined by the high school principal, guidance director, or other school official acquainted with the student.
3. Health and physical condition as evidenced by a medical examination by the student's family physician reported on the adopted form and approved by the College physician. No student shall be admitted who has disabilities which will impair his services as a teacher.
4. Recommendations of two or more College staff members following a personal interview with the applicant.
5. For admission to special curricula the College may require the candidate to take an appropriate aptitude test in the special field in order to obtain further evidence of ability to succeed in the student's chosen field.

Admission Procedure

Admission to the regular fall or spring semester involves a number of steps, the first of which is the filing of application forms which may be secured from the Admissions Office.

Costs

The West Chester State College is owned and operated by the Commonwealth of Pennsylvania and therefore charges no tuition. In effect, *each student who enrolls receives a free tuition scholarship from the State.*

*COSTS BY CURRICULA PER YEAR

A Summary of Costs For the Different Curricula	Elementary Education	Secondary Education	Health and Phys. Educ.	Music Education
Basic Fee	\$200	\$200	\$200	\$200
Special Curriculum Fee	—	—	36	90
Activity Fee	35	35	35	35
Books & Supplies (Approx.)	80	80	80	80
Total — Day Students	\$315	\$315	\$351	\$405
Room, Board & Laundry	504	504	504	504
Total — Boarding Students	\$819	\$819	\$855	\$909

NOTES:

1. **THE ABOVE COSTS ARE FOR ONE YEAR.**
2. Payments may be made quarterly or monthly upon arrangements with the College Business Manager.
3. For students other than legal residents of Pennsylvania a tuition fee of \$336.00 per year must be added to the above costs.
- *4. Fees are subject to change without notice.

CURRICULA OFFERED AT WEST CHESTER

Elementary—

A non-specialized course for teachers of the elementary grades.

Kindergarten-Primary—

Teaching in the kindergarten and grades 1, 2, and 3.

Intermediate—

Teaching in grades 4, 5, and 6.

Secondary Education—

Teaching in the junior and senior high schools. Students must choose a teaching field from the following: English, Latin, French, Spanish, German, mathematics, general science, chemistry, physics, biology, geography, and social studies.

Health and Physical Education—

Teaching, coaching, and supervising health and physical education in the elementary and secondary schools.

Music Education—

Teaching and supervising music—both instrumental and vocal—in the elementary and secondary schools.

Degree Curriculum for Dental Hygienists.

Degree Curriculum for Public School Nurses.

West Chester State College Bulletin
WEST CHESTER, PENNSYLVANIA

SUMMER SESSIONS 1960

Advance Announcement

1960-1961 Academic Year

Entered as second-class matter
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